

_____ is the semiconductor material used to make transistors. Silicon

The _____ is the box that contains the central electronic components of the computer. system unit

Which type of software lets you dictate letters, e-mails, and voice commands?
speech recognition software

CD ripping refers to _____. encoding CDs to MP3 format

Multimedia software includes all of the following EXCEPT: utility software.

GPS software allows users to _____. locate restaurants, airports, and points of interest

Which type of software helps managers with tasks such as scheduling charts?
project management software

Software that does "back office" operations and processing functions such as billing, production, inventory management, and human resources management is called _____. enterprise resource planning software

The special memory storage areas built into the CPU are called _____. registers

Which of the following is an example of discounted software? educational versions of software

Angel and Blackboard are examples of _____. course management software

The ASCII code can represent _____ unique characters. 256

In a spreadsheet, the columns and rows form individual boxes called _____. cells

Which type of software stores client information in one central database for use by sales professionals? customer relationship management software

Software designed for a specific industry is known as _____ software. vertical market

The CPU processing cycle has how many steps? 4

Unicode uses _____ bits to code character data. 16

Microsoft _____ is software that allows students who have Tablet PCs to write their notes directly onto the tablet, using it as an electronic notebook. OneNote

Software you can use to create a budget is called _____. spreadsheet software

Every software program has a set of _____ that specify the minimum recommended standards for the operating system, processor, RAM, and hard drive capacity. system requirements

Custom software, developed to address the needs of a specific company, is known as _____ software. proprietary

Which of the following sequences lists the speed of memory from the fastest to the slowest? registers, Level 1 cache, Level 2 cache, RAM

QuarkXPress and Adobe InDesign are examples of _____ software. desktop publishing

Presentation software includes all of the following features EXCEPT: formulas.

In a spreadsheet, equations you build yourself using values and cell references are called _____. formulas

Microsoft Office and Corel WordPerfect Office are examples of _____. software suites

All of the commands in an instruction set are written in _____ language, which is easier for humans to work with than binary. assembly

An example of software that includes electronic checkbook registers and automatic bill payment tools is _____. Intuit Quicken

Which Microsoft program is used to create technical drawings, map basic block diagrams, and more? Visio

Predesigned forms that provide the basic structure for a particular kind of document are known as _____. templates

The cell address F7 indicates that the cell _____ is at column F, row 7 of the worksheet

Computer-aided design software is used primarily by _____. engineers to create models

The main purpose of the decode stage is for the CPU's _____ to translate program instructions into commands the CPU can understand. control unit

Which type of software is used at colleges to keep track of student records? database software

A(n) _____ software installation allows you to decide which features you want to install on the hard drive. custom

The _____ number system uses the digits 0-9 and the symbols A-F. hexadecimal

QuickBooks and Peachtree are examples of _____. accounting software

Illegally copying an application onto another computer is called _____. software piracy

Microsoft Word and OpenOffice.org Writer are examples of _____. word processing software

The primary benefit of a spreadsheet program is _____. its ability to automatically recalculate formulas and functions

System software does all of the following EXCEPT _____. add graphics and pictures to files

Web-based application software is software that _____. is stored completely on a Web server instead of your hard drive

Software refers to a set of instructions that tells the computer what to do. These instruction sets are called _____. programs

When available, the best way to remove an unwanted software application is to _____. use the application's uninstall program

Software that lets you do tasks at home, school, and work is called _____. application software

Which type of software is used to keep track of appointments, to-do lists, and telephone numbers? personal information manager (PIM) software

Adobe Dreamweaver is an example of _____. Web page authoring software

The collection of commands that a specific CPU executes is called its _____. instruction

Which type of software is used to make a slide show? presentation software

Adobe Premiere Pro and Microsoft Live Movie Maker are examples of _____. software. digital video editing

Which file format enables users to share, view, and print any file as long as they have the appropriate program installed? PDF

The organization responsible for rating computer games is the _____. Entertainment Software Rating Board

Software that is distributed for free, but often with the condition that you pay for it if you like and intend to use it, is called _____. shareware

What type of memory stores frequently used instructions or data needed by the CPU? cache

A byte is composed of _____ bits. 8

In the URL <http://www.prenhall.com>, the portion labeled .com is the _____. top-level domain

All of the following are ways to communicate on the Internet EXCEPT: hyperlinks.

The "s" in https stands for _____. secure socket layer

Podcasts enable you to _____. broadcast over the Internet using compressed audio and video files such as MP3s and MP4s

One way to mark a Web site so that you can return to it later without typing the address is to _____. use Favorites or Bookmarks

Which of the following is the desktop search feature in Mac OS X Snow Leopard?
Spotlight

If you wanted to keep a written online journal, you would use _____. a weblog

The Internet backbone refers to _____. the main pathway of high-speed communications lines through which all Internet traffic flows

_____ is a social networking service that enables you to exchange short text messages with your friends or "followers." Twitter

E-commerce that involves businesses buying and selling goods and services to other businesses is called _____. B2B

Which of the following is similar to the Windows System Properties dialog box and displays hardware and software information on a Mac? System Profiler

Adobe Reader, Flash Player, and QuickTime Player are all examples of special software programs called _____. plug-ins

Which of the following are personal video journal entries posted on the Web? vlogs

Which of the following is a free Web authoring suite? SeaMonkey

The Internet2 is a project _____. to develop new Internet technologies

You can keep track of IM contacts by using a _____. buddy list

The name of the free Internet browser from Mozilla is _____. Firefox

Facebook and MySpace are considered to be _____. social networking Web sites

What protocol allows files to be transferred from a Web server so that you can view them on your computer using a browser? HTTP

Web 2.0 describes _____. a trend of new Web applications that combine the functionality of multiple applications

A(n) _____ is a keyword or term that is assigned to a piece of information such as a Web page, digital image, or video and describes the site so that it can be found again by browsing or searching. tag

A set of programs that searches the Web to find information is called a _____. search engine

Which of the following is most likely to be a popular choice for a broadband Internet connection in a rural area? satellite

The large scale networking (LSN) project is _____. a U.S. government Internet research project

Which of the following is NOT a type of broadband Internet connection? dial-up

Which of the following is an open source operating system? Linux

A Web site that allows anyone to add or edit content is called a _____. wiki

Search engines have which three parts? a spider, an indexer, and search engine software

When building your own computer, which of the following is NOT required? a router

RSS stands for _____. Really Simple Syndication

Instant messaging (IM) services are programs that enable you to _____. communicate in real time with others who are online

The Internet is _____. a large network of networks

The text version of a Web site's Internet address is called the _____. Uniform Resource Locator (URL)

Which of the following is free software to create or edit digital art? GIMP

The World Wide Web was invented by _____. Tim Berners-Lee at CERN

OpenOffice 3 includes all of the following components EXCEPT: Word.

Podcasts use which of the following technologies? RSS

A webcast is _____. the broadcast of audio or video content over the Internet

A list of pages within a Web site that you have visited and that usually appears at the top of a page is referred to as a(n) _____. breadcrumb trail

The concept of the Internet developed from _____. the Cold War crisis

All of the following are examples of multimedia EXCEPT: text.

In the URL <http://www.prenhall.com>, the portion labeled http is the _____. protocol

Which of the following provides the highest speed Internet connection? cable

The default file format for saving a spreadsheet in Calc is _____. .ods

The advantage of a dial-up Internet connection is _____. low cost

HTTP is the abbreviation for _____. hypertext transfer protocol

All of the following are parts of a URL EXCEPT: hyperlinks.

Webcasts differ from podcasts in that webcasts _____. are not updated automatically

The agency that first began funding the Internet was called the _____. Advanced Research Projects Agency Network

_____ microphones pick up sound from only one direction. Unidirectional

Computers gather data, which means that they allow users to _____ data. input

In binary language, each letter of the alphabet, each number, and each special character is made up of a unique combination of _____ eight bits.

Inkjet printers and laser printers are examples of _____ printers. _____ nonimpact

_____ is the theory that holds that there is no universal moral truth and that instead there are only beliefs, perspectives, and values. _____ Relativism

After a picture has been taken with a digital camera and processed appropriately, the actual print of the picture is considered _____. _____ output

A _____ is approximately 1 million bytes _____ megabyte

_____ computers are specially designed computer chips that reside inside other devices such as your car or the electronic thermostat in your home. _____ Embedded

_____ ports are now the most common ports for connecting input and output devices to the computer. _____ Universal serial bus (USB)

_____ is a form of permanent memory that holds all the instructions the computer needs to start up. _____ ROM

_____ printers have tiny hammer-like keys that strike the paper through an inked ribbon. _____ Impact

Computers process data into information by working exclusively with _____. _____ numbers

The type of monitor that looks like a traditional television set is called a _____ monitor. _____ cathode-ray tube (CRT)

Which of the following is NOT one of the four major data processing functions of a computer? _____ analyzing the data or information

_____ is the applied science concerned with designing and arranging things that people use so that the people and things interact most efficiently and safely. _____ Ergonomics

Devices such as monitors and printers that are connected to the computer are called _____. _____ peripheral devices

The _____ contains the central electronic components of the computer. _____ motherboard

_____ is a power mode that allows the computer to save an image of the desktop to the hard drive and enter a state of reduced power consumption to save energy. _____ Hibernate

Which of the following is an example of an input device? _____ a scanner

_____ software is the set of programs that enables the computer's hardware devices and application software to work together. _____ System

Large, expensive computers that support hundreds of users simultaneously are called _____. mainframes

A(n) _____ enables you to enter data (text, images, and sound) and instructions (user responses and commands) into the computer. input device

All of the following are types of cyberbullying EXCEPT: _____ calling a co-worker to schedule a meeting

_____ plug into slots on the motherboard and provide additional functionality for your computer. Expansion cards

Restarting a computer when it is already powered on is called _____. a warm boot

_____ are large printers used to produce oversize pictures that require precise continuous lines, such as maps and architectural plans. Plotters

Which of the following ethical philosophies states that decision making should be based on the particular circumstances and not on fixed laws? _____ situational ethics

A _____ is approximately 1 billion bytes. gigabyte

A(n) _____ uses an internal sensor or laser to detect the mouse's movement. optical mouse

The _____ language consists of just two digits: 0 and 1. binary

The hard disk drive is a _____ storage device, meaning that it stores data permanently. nonvolatile

The small, touch-sensitive area at the base of the keyboard on a notebook computer is known as a _____. touch pad

A _____ is a portable computer that features a touch-sensitive screen and handwriting recognition software. Tablet PC

_____ is the place in a computer where the programs and data the computer is currently using are stored. RAM

Any computer parts that you can actually touch are considered to be _____. hardware

USB ports are fast replacing traditional _____ ports because of their ability to transfer data quickly. parallel and serial

Intellectual property (such as music, writing, and software) is protected through _____ law. copyright

The _____ port resembles a standard phone jack. modem

A person who does not conform to a set of approved standards of social or professional behavior _____. commits unethical behavior

_____ are a form of permanent storage that can be seen and accessed from outside the system unit and are typically used for CD and DVD drives. External drive bays

A _____ enables your computer to connect to other computers or to the Internet. network interface card (NIC)

The _____ is used in combination with other keys to perform shortcuts and special tasks. Control (Ctrl) key

Correct

_____ is data that has been organized or presented in a meaningful fashion. Information

Social media sites are about sharing information. The use of this information can raise questions regarding _____. personal privacy

The term "bit" is short for _____. binary digit

The S-video and the _____ ports on a computer facilitate connecting the computer to multimedia devices such as TVs and DVD players. DVI

A(n) _____ is a device that looks like a skinny pen but has no ink. stylus

_____ binary digits (or bits) combine to create one byte. Eight

Flash drives plug into a(n) _____. USB port

Monitor screen grids are made up of millions of pixels, with each pixel containing _____ subpixels of colors. three

The term _____ describes computing devices or peripherals that use techniques, parts, and methods from an earlier time that are no longer popular. legacy technology

A(n) _____ is where a peripheral device can attach to a computer so that data can be exchanged between it and the operating system. port

Google restricting its search engine services in China by not allowing search results for sites considered objectionable by the Chinese government is an example of _____. censorship

_____ is the set of computer programs that enables the hardware to perform different tasks. Software

RAM is considered volatile storage, which means it is _____. temporary

The _____, housed inside the system unit, regulates the wall voltage to the voltages required by the computer chips. power supply

All the following are examples of input devices EXCEPT a _____. printer

The _____ requires companies to provide mechanisms for employees and third parties to anonymously report complaints, including ethics violations. Sarbanes—Oxley Act

Which personal computer was chosen as "machine of the year" by Time magazine? IBM PC

A _____ is a special device that is installed in your computer and allows it to communicate with other devices on the network. network adapter

Unwanted e-mail is called _____. spam

Which of the following is NOT necessarily part of being computer literate? being able to build a computer

_____ is a type of wireless communication that transmits data through radio waves. Bluetooth technology

What was the first word processing application to be used on personal computers? WordStar

Technology no longer protected by copyright, available to everyone, is considered to be _____. in the public domain

The _____ computer had switches on the front of it, which were used to enter data using 0s and 1s. Altair

Many online courses are designed to use management software like _____ so that students can communicate outside of class, take quizzes online, and find their class materials easily. Blackboard or Moodle

The _____, weighing 24.5 pounds, was the industry's first portable computer. Osborne

The goal of _____ is to provide solutions to physical problems, such as providing sight to the blind. biomedical chip research

The ability to recover and read deleted or damaged files from a criminal's computer is an example of a law enforcement specialty called _____. computer forensics

_____ is the study of molecules and structures whose sizes range from 1 to 100 nanometers. Nanoscience

Children who do not have access to _____ and _____ won't be prepared for future employment. the Internet, computers

What programming language revolutionized the software industry because beginning students could learn it easily? BASIC

By studying the data produced by _____, scientists hope to improve the prediction of weather phenomena. simulations

The graphical user interface was developed by _____. Xerox

_____ tags are small versions of the roadway electronic toll system used in many states to automate paying tolls as motorists pass through the toll station. RFID

Many people believe Grace Hopper's greatest contribution to computing was _____. the compiler

To set up a(n) _____, you must have an appropriate computer and digital devices connected to a home network. digital home

Being _____ means being familiar enough with computers that you understand their capabilities and limitations. computer literate

A _____ is a small device that enables users to carry digital information. Smartphone

_____ is a field of study focused on information handling and retrieval of information automatically. Information technology

A _____ is a specially designed scannable sticker that resembles an inkblot and contains all the important information about a UPS package. MaxiCode

_____ is the application of computer systems and techniques to gather potential legal evidence. Computer forensics

The Microsoft Authorized Refurbisher program supports refurbishers by allowing _____ to be installed for free on refurbished systems. certain Microsoft operating systems and Office software

Which of the following do today's educators NOT need to be familiar with to create constructive computerized lessons and to interact with students? Web authoring software

Medical students can train on _____ and experience firsthand how a human would react to a particular treatment. patient simulators

One of the reasons the Apple II computer was popular was that _____. the operating system instructions were stored in ROM

_____ computing relates to emotion or deliberately tries to influence emotion. Affective

The prefix nano stands for _____. one-billionth

The _____ is a global effort in which bioengineers are creating realistic computer simulations of all systems and features of the human anatomy. Physiome Project

Surgeons use _____ to perform delicate operations by manipulating devices through computers instead of manually. robotics

All of the following are examples of real security and privacy risks EXCEPT: spam.

While engineers work to create computers that can understand us emotionally, _____ are also evolving toward a more human appearance. computer systems

When a job is sent to other countries, as many programming jobs have been, it is said to have been _____. offshored

_____ tags, when placed on an animal, can be used to record and track in a database all of the animal's movements. RFID

One type of chip already being implanted in humans as a means of verifying a person's identity is called a(n) _____. VeriChip

One potential application of _____ is to provide sight to the blind biomedical chip implants

A _____ allows you to transfer media from your computer to other media devices (such as a plasma TV). digital media adapter

Which of the following allowed users to interact with the computer more easily?
the graphical user interface

The difference between people with access to computers and the Internet and those without this access is known as the _____. digital divide

The first commercial Internet Web browser was developed by _____ in 1995.
Netscape

A nanometer is _____. one-billionth of a meter

The emotional-social prosthesis (ESP) device, developed by a group at the MIT Media Lab, is targeted at helping people who have _____. autism

_____ is the science revolving around building devices on an extremely small scale. Nanotechnology

_____ is the nerve center of any digital home, allowing you to interface with the different digital devices connected to the network. A computer

The process of searching huge amounts of data with the hope of finding a pattern is called _____. data mining

In a Windows folder, to display files and folders as icons in list form, use _____ view. Tiles

The _____ is responsible for managing the processor and all other components of the computer system, and is an essential part of the operating system. kernel

In Windows, a file path starts with a _____. drive letter

In the Windows operating system, the hard drive is represented as the _____.
C Drive

The version of Windows 7 that is most appropriate for high-end PC users, gamers, and multimedia professionals is _____. Windows 7 Ultimate

Which of the following would be a name of a Microsoft Access document.
inventory.accdb

During the virtual memory process, the operating system moves data to a temporary storage area on the hard drive called the _____ file. swap

A(n) _____ builds Web pages to deploy the materials that the content creators develop. Web publisher

Which of the following is a single-user, multitask operating system? Mac OS

When a U.S. company hires a company outside of the United States, they are using a technique called _____. offshoring

XO-1 is the name of the computer being provided by the _____ project. One Laptop per Child

C:\Documents\Spring 2012\CIS 101\Term Paper\Computer Technology is an example of a _____.file path

All of the following are terms related to part of the boot process EXCEPT: USB.

Microsoft Windows and Mac OS use a _____ interface. graphical user

The process of replacing repeated patterns of letters in a file with a shorter placeholder is called _____. file compression

The _____ of the operating system allows the user to communicate with the computer system. user interface

If you want to automatically defragment your hard drive every week, you can set a predetermined time using the _____.Task Scheduler

Which of the following is the first step in the boot process?The BIOS is activated by powering on the CPU.

The OS allows you to organize the contents of your computer in a hierarchical structure of _____. directories

Which of the following is NOT a function of the operating system? It manages the removal of spyware.

You can use the Windows _____ to check on a nonresponsive program. Task Manager

Some video games require a _____ operating system. real-time

The basic input/output system is stored on a _____ chip.ROM

_____ are easy-to-use mini desktop programs that give you information at a glance or quick access to frequently used tools including weather information, calendar items, or games. Gadgets

Which of the following does NOT occur during the power-on self-test? The OS is moved into RAM.

Which of the following is a file compression utility? WinZip

Which of the following is NOT a step in the boot process? The antivirus program checks all files for viruses.

The most essential software in your computer system is the _____. operating system software

Which of the following was the first widely used operating system installed in personal computers? MS-DOS

In Windows, you can create _____ to reset your system in the case of a malfunction. restore points

When an operating system receives an interrupt from the printer and pauses the CPU, it is performing which of the following functions? processor management

The _____ is a program that manages the data between the operating system and all input and output devices attached to the system. BIOS

Which of the following operating systems is used primarily with mainframes as a network operating system? UNIX

Which of the following statements about a graphical user interface is FALSE? A GUI is a command-driven interface.

With Windows Explorer, you can perform all of the following file management actions EXCEPT: editing files.

_____ staff the phones, respond to Internet live chat, or respond to e-mail and solve problems for customers or employees, either remotely or in person.
Helpdesk analysts

The location of a file is specified by its _____. file path

The _____ contains all of the different configurations used by the OS and by other applications. registry

The combination of operating system and processor in a computer is referred to as a computer's _____. platform

Programmers, systems analysts, project managers, and technical writers are generally considered part of a(n) _____ team. systems development

Before upgrading your OS, you should back up your _____. data files

When a U.S. business hires a third party within the United States to provide services they offer to their customers, it is called _____. outsourcing

The _____ manages the flow of data and information through the computer system by coordinating the hardware, software, user interface, processor, and system memory. operating system

An IT professional working a(n) _____-based job reports for work to the same location each day and interacts with the same people on a regular basis. office

If Microsoft Word 2010 is used to create a file, which file extension is added automatically? .docx

When your computer is in Safe mode, you can use the _____ to view and change the properties of all devices attached to the computer. Device Manager

Real-time operating systems can be found in _____. scientific instruments

Which of the following types of programs help manage system resources such as the hard drive? utility programs

Which of the following statements concerning the Windows Recycle Bin is TRUE?
You can restore files that have been moved to the Recycle Bin.

Which of the following Windows utility programs arranges files on your hard drive in sequential order? Disk Defragmenter

Mac OS X Snow Leopard includes a backup utility called _____. Time Machine

Which of the following is NOT a degree that prepares students for IT careers? ACM

All of the following can be considered to be network operating systems EXCEPT Symbian OS.

If you want to save a file that will be opened by people who use a wide variety of software, any of the following formats would be safe EXCEPT _____. .docx

In Windows, which character is used as a path separator? backslash (\)

Network, database, and Web server administrators are generally considered part of the _____ department. information systems

Each device attached to your computer comes with a special program called a _____ that facilitates communication between the device and the OS device driver

All of the following can be used in a Windows file name EXCEPT: *.

Windows 7 introduces the concept of _____, which are folders that gather files from different locations and display the files as if they were all saved in a single folder. libraries

All of the following are forms of RAM EXCEPT: XRAM.

Which statement pertaining to system reliability is FALSE? An accumulation of temporary Internet files has no effect on your computer's overall performance.

Notebooks are often equipped with a(n) _____ slot that allows you to read flash memory cards such as CompactFlash, Memory Sticks, and Secure Digital cards. ExpressCard

Kernel memory is _____. RAM memory used by the operating system

Moore's Law is a rule that predicts _____. the pace at which CPUs improve

The CPU is connected to the system memory by the _____. front side bus

Windows 7 incorporates _____, which enables you to migrate files and settings from a Windows Vista system to a Windows 7 system via a network connection.

Windows Easy Transfer

CPU speed, also called clock speed, is measured in _____. gigahertz

Which of the following statements is true about optical media? A Blu-ray burner will most likely burn both CDs and DVDs.

To make sure your computer performs reliably, you can do all of the following EXCEPT: increase the front side bus speed.

_____ provides high-speed information processing by enabling a new set of instructions to start before the previous set has been finished. Hyperthreading

Front side bus speed is measured in _____. megahertz

The control unit is one component of the _____. CPU

The amount of RAM recommended for most systems today is measured in _____. GB

When referring to hard drives, seek time and latency are the two factors that make up _____. access time

A video card is an expansion card installed inside your _____. system unit

The small circuit boards that hold a series of RAM chips are called _____. memory modules

A _____ performs the same kind of computational work that a CPU performs but is specialized to handle 3-D graphics and image and video processing. GPU

Running the Disk Defragmenter utility will _____. make the hard drive work more efficiently.

The CPU consists of which two parts? the control unit and the arithmetic logic unit

On a Windows system, you can determine the amount of RAM by looking in the _____ window. System Properties

Cache memory levels are determined by _____. the chip's proximity to the CPU

The percentage of time your CPU is working is referred to as CPU _____. usage

Each of the following is a computer subsystem EXCEPT the: data subsystem.

Which of the following activities is carried out by the ALU? completion of all arithmetic calculations

Running the Disk Cleanup utility is a quick way to _____. clear out unnecessary files

The amount of RAM that is actually on the memory modules in your computer is the _____ memory. physical

An expansion card that translates binary data into images is a(n) _____. video card

Two types of video memory are _____. GDDR3 and GDDR5

When referring to hard drives, access time is measured in _____. milliseconds

Which is the fastest type of optical drive on the market? Blu-ray drives

Which of the following is NOT a main characteristic associated with desktop computers as compared to notebooks? A desktop computer is more expensive.

All of the following are advantages of notebook computers EXCEPT: you get more speed for a lower price.

Which of the following devices translates electronic data into radio waves? a transceiver

The _____ is the maximum speed at which data can be transmitted between two nodes on a network. data transfer rate

A wireless network uses which of the following as its transmission medium? radio waves

Which of the following UTP cable types is the cheapest and often used in home networks? Cat 5E

Sophisticated networks generally use which of the following hardware devices to ease the flow of data packets throughout the network? routers and switches

Throughput, the actual speed of data transfer that is achieved in a network, is usually _____. less than or equal to the data transfer rate

When setting up a network, you should set up any computers running the Microsoft Windows 7 operating system _____. first

WPA stands for _____. WiFi Protected Access

A(n) _____ allows sharing of a broadband Internet connection. router

Normal telephone wire is _____. twisted-pair cable

Due to the expansion of media files on home computers, _____ options are now being marketed; however, they are not as full featured as their business-world counterparts. home network server

Which of the following devices is needed to share an Internet connection on a wireless network? a wireless router

One way to increase security on a network is by installing a _____. firewall

Most _____ allow you to connect wireless and wired computers to the same network. wireless routers

A _____ is a network located in your home that is used to connect all of your digital devices. HAN

A network that has 10 or more nodes is usually configured as a _____. client/server network

Client/server networks are controlled by a central server that runs a specialized piece of software called _____. a network operating system (NOS)

A(n) _____ keeps track of data packets and, in conjunction with network interface cards, helps the data packets find their destination without running into each other on an Ethernet network. switch

Which of the following is necessary if you want your Ethernet network to connect to the Internet through a DSL or cable modem? a DSL/cable router

Which transmission medium is able to transmit data the fastest? fiber-optic cable

Network adapters _____. enable nodes in a network to communicate with each other

The most common type of home network is _____. a peer-to-peer (P2P) network

Network architectures are classified according to _____. the way they are controlled and the distance between their nodes

The most popular transmission media option for wired Ethernet networks is _____.
The unique number assigned to a network adapter by the manufacturer is referred to as the _____ address.

Which of the following is NOT an example of a network node? a mouse

Which of the following is NOT an example of a WAN? LANs connected in a single building

A computer network is defined as two or more computers connected with _____ so that they can communicate with each other. software and hardware

Which of the following network adapters is most likely to be preinstalled in a typical notebook computer today? both a wireless and wired network adapter

Text prediction _____ provide a list of popular words and save typing time when using text messaging. algorithms

Images are a representation of light waves called _____ or continuous waves. analog

Opera Mobile is an example of _____. a microbrowser

SMS delivers messages to the appropriate mobile device using _____ technology.
store-and-forward

Which of the following uses radio waves to transmit data signals over short distances and does not need a direct line of sight? Bluetooth

Which of the following statements is NOT true about the JPEG file format? JPEGs are larger than raw files.

A(n) _____ is included in a cell phone to handle the compression of data for it to be quickly transmitted to another phone. digital signal processor

The operating system of a cell phone is stored in _____. ROM

Which of the following describes the number of times an analog wave is measured each second during an analog-to-digital conversion? sampling rate

Web content specially designed for viewing via a cell phone or smartphone is written in a format called _____. WML (Wireless Markup Language)

_____ is the use of equipment to provide voice communications over a distance.
Telephony

A _____ runs a full-featured operating system and weighs less than two pounds
netbook

Which of the following allows you to download and play music with restrictions enforced about its use? tethered downloads

_____ is a form of voice-based Internet communication that turns a standard Internet connection into a means to place phone calls, including long-distance calls.
VoIP

_____ is a special copyleft license used for software. GNU

Digital formats are descriptions of signals as _____. a long string of numbers

An analog-to-digital converter chip _____. converts the sound waves from a voice into digital signals

The most full-featured and powerful cell phones are put in the category of _____.
smartphones

To transfer files from your computer to a portable media player (PMP), most newer PMPs use a _____ port or a FireWire port. USB 2.0

The Apple iPhone uses a version of _____ as an operating system. Mac OS X

_____ is a single cable that carries all audio and video information from devices connected to a TV to the TV itself. HDMI

An iPod is an example of a _____. portable media player (PMP).

The newest cell/smartphone displays are _____, which allow bright, sharp imaging and draw less power. OLED

Text messaging is also called _____. short message service (SMS)

Flash memory, used by most MP3 players, is a type of _____. nonvolatile memory

What is Symbian? An operating system for cell/smartphones.

Broadcasting your video to a live audience over the Web is referred to as _____.
webcasting

A portable media player can play files with all of the following file extensions EXCEPT _____. .doc

A base transceiver station receives a request for cellular service and passes that request to a central location called a _____. mobile switching center

LogMeIn is an example of a _____. remote access service for mobile devices

Ensuring that two devices, for example, a PC and a cell phone or smartphone, have the same files is the process of _____. synchronizing

Which of the following is the process of sharing files between two or more computers? peer-to-peer (P2P) sharing

Which of the following is specialized software made to display Web pages on a cell phone? microbrowser

MPEG-4, H.264, and DivX are all examples of _____. codecs

All of the following are advantages of VoIP EXCEPT: reliability.

_____ floods a computer with requests until it shuts down and refuses to answer any requests for information. A DDoS attack

Which of the following classifications of viruses can change its own code to avoid detection? polymorphic

A(n) _____ virus runs a program that searches for common data files, compresses them, and makes them unusable. encryption

_____ is an unwanted piggyback program that usually downloads with software you are installing from the Internet. Spyware

A(n) _____ is the portion of virus code that is unique to a particular computer virus. virus signature

A cyberspace _____ is an attempt to make someone believe something that is untrue. hoax

Which of the following statements about cookies is NOT true? Cookies obtain your personal information by searching your hard drive.

The most likely method a hacker would use to access a computer is _____.
entering through its Internet connection

All of the following approaches can be taken to protect your notebook computer from theft EXCEPT: installing an external hard drive.

Which of the following is formally defined as any criminal action perpetrated primarily through the use of a computer? cybercrime

A _____ is a virus that is attached to documents such as Word or Excel files. macro virus

Which of the statements about protecting against power surges is FALSE?
Printers do not require power surge protection.

_____ is doing non-work-related activities with a computer while you are being paid to do your job. Cyberloafing

A(n) _____ virus temporarily erases its code from the files where it resides and then hides in the computer's active memory. stealth

A _____ works independently of host file execution and is much more active in spreading itself than a virus is. worm

Which of the following is a program that appears to be something useful or desirable but does something malicious in the background? a Trojan horse

A packet sniffer is a program that can enable a hacker to do all of the following EXCEPT: launch a denial of service (DoS) attack on your computer.

Which type of virus was the famous Michelangelo virus? a time bomb

A _____ is a virus that is triggered when certain conditions are met, such as a file opening or starting a program a certain number of times. logic bomb

The purpose of network address translation (NAT) is to _____. hide user IP addresses from the Internet

All of the following can be used for backing up data files EXCEPT: RAM.

Devices that use a unique personal characteristic, such as a fingerprint, in place of a password are called _____ authentication devices. biometric

During the process of _____ the antivirus software records key attributes about the files on your computer and keeps these statistics in a safe place on your hard drive. inoculation

_____ occurs when a hacker takes control of a Bluetooth-enabled device to make phone calls, read phonebook entries, send and receive text messages, and more.
Bluebugging

Adware and spyware are referred to collectively as _____. grayware

With regard to computer protection, quarantining is defined as _____.
placing a found virus in a secure area on the hard drive

Configuring a firewall to ignore all incoming packets that request access to a specific port is known as _____. logical port blocking

Which of these statements about physically protecting your computer is FALSE?
Power surges can be blocked by using a computer surround.

Drive-by downloads occur when _____. a Web site downloads harmful software onto your computer

A computer virus normally attaches itself to another computer program known as a _____. host program

Using a _____, hackers can access and delete all files on your computer, send e-mail, run programs, and do just about anything else you can do with your computer.
backdoor program

_____ makes broadband users more vulnerable to attacks. Static addressing

Rules for creating passwords include all of the following EXCEPT: keep your password written down and stored in any easy-to-remember location.

Social _____ is any technique that uses social skills to generate human interaction that entices individuals to reveal sensitive information. engineering

Many _____ sold for home use are also configured as firewalls and are capable of performing network address translation (NAT). routers

_____ encourages Internet users to reveal sensitive information that could lead to identity theft by sending e-mails that look like they are from legitimate companies but are, in fact, fake. Phishing

Spyware programs that monitor keystrokes with the intent of stealing passwords, login IDs, or credit card information are referred to as _____. keystroke loggers

For complete protection when backing up your files, you should use a program that creates a(n) _____ of your entire system. image backup

A _____ is a secure Internet pathway that large corporations use to protect sensitive data. VPN

You can block logical ports to invaders and make your computer invisible to others on the Internet by installing _____. a firewall

Small Java-based programs are called _____. Java applets

Violations of the strict, precise set of rules that define a programming language are called _____. syntax errors

An alternative approach to systems development, called _____, makes use of a prototype at the beginning of the project. rapid application development (RAD)

Which of the following statements about pseudocode is TRUE? It is a text-based approach to documenting an algorithm.

What is the first step of the system development life cycle? problem and opportunity identification

Which of the following statements about Java is FALSE? Java can run only on a Windows operating system.

To develop Web-based multimedia, Adobe Flash includes a programming language named _____, which is similar to JavaScript in its keywords, operators, and classes. ActionScript

The two main types of decision points are the binary decision and the _____.
loop

Translating an algorithm into a programming language is called _____.
coding

Which statement does NOT describe fifth-generation languages? They use a set of short, English-based commands (such as SUB) that speak directly to the CPU.

Which phase of the system development life cycle explores the problem in depth and develops program specifications? analysis

Structured Query Language (SQL) is an example of a _____. fourth-generation language

The loop decision point consists of three features: an initial value, a set of actions to be performed, and a(n) _____.test condition

Which phase of the system development life cycle generates a detailed plan for programmers to follow? design

Who is responsible for writing internal documentation for software programs?
technical writers

Which language do programmers use if the problem requires a lot of number crunching? C++

_____ is the process of translating a task into a series of commands that a computer will use to perform that task. Programming

_____ is a text-based approach to documenting an algorithm. Pseudocode

The language that the CPU understands, consisting of a sequence of bits, is called
machine language.

Which statement about selecting the right programming language for a project is FALSE? Programming languages require the same amount of time to execute.

Which of the following development environments enables Web sites to talk to each other easily by introducing a standard way for software to interact through Web services? the .NET framework

_____ is the instructions programmers have written in a higher-level language.
_____ is the instructions programmers have written in a higher-level language.

In a _____ system, each step is dependent on the previous step being completed first waterfall

Keywords in a programming language that allow the programmer to redirect the flow of the program based on a decision are called _____. control structures

The process by which program code is converted into machine language is called _____. compilation

What is the final step of the system development life cycle? maintenance and evaluation

A _____ is a visual diagram of a process, including the decisions that need to be made along the way. flowchart

With object-oriented analysis, programmers identify all the categories of input that are part of the problem into classes.

A variable declaration tells the operating system to allocate storage space _____ in RAM

Which language is used for applications that need to collect information from networked computers? Java

Most integrated development environments (IDEs) include a debugger that _____. helps programmers find logical errors

BASIC, FORTRAN, COBOL, C++, and Java are all _____-generation languages. third

Which of the following is taught as the beginning computer language at many colleges and universities? Java

_____ enables users to define their own tags and facilitates exchange of information between Web sites. XML

During which phase of the system development life cycle are flowcharts and data-flow diagrams developed? design

Which of the following would NOT be used to build Web sites with interactive capabilities? Java

Which of the following is/are NOT part of a program's problem statement? pseudocode, or the text-based approach to documenting the algorithm

A(n) _____ is a set of specific, sequential steps that describe in natural language exactly what the computer must do to complete its task. algorithm

Which of the following is the first stage of the program development life cycle (PDLC)? describing the problem

The method of algorithm creation used when a programmer breaks down a problem into a series of high-level tasks and continues to break each task into successively more detailed subtasks is called: top-down design.

Decision points consist of binary decisions and _____. repeating loops

Some programmers include scroll bars, title bars, buttons, and menus in a program simply by adding them to a layout through a process called _____ programming.
visual

How many steps are there in the system development life cycle? 6

In object-oriented programming, _____ allows a new class to automatically pick up all the data and methods of an existing class. inheritance

In object-oriented programming, each object from a given class is described by its _____. data and methods

A(n) _____ error is caught when the program executes. runtime

_____, building a small program model, is a form of rapid application development (RAD). Prototyping

PROLOG (PROgramming LOGic) is an example of a _____-generation language.
fifth

The binary sequence that instructs the CPU to run the programming code is called a(n) _____. executable program

Which of the following statements describes dynamic decision making? It is the ability of a Web page to decide how to display itself based on choices the reader makes.

A _____ is a program that a Web site uses to make information available to other Web sites. Web service

Which of the following is the final stage of the program development life cycle (PDLC)? implementing the project

_____ is a powerful programming language used to build a wide range of Windows applications. Microsoft Visual Basic

Creating programs with higher-level programming languages that can be easily moved from one type of computer to another provides _____. portability

Special symbols called tags are used in which of the following languages?
HTML/XHTML

In a database, a record is a _____. group of related fields

In a database, a video clip would be stored in a(n) _____ field. object

Which type of database excels in the storage of structured (analytical) data?
relational

Nontraditional data such as audio clips, video clips, pictures, and very large documents are called _____. unstructured data

When creating a database with a DBMS, you must create a description of the data called the _____. data dictionary.

In a database, a text field capable of holding complete paragraphs is referred to as a _____ field. memo

Microsoft _____ is a database management system. Access

In a database, a field is a _____. category of information

A data dictionary is also called a _____. database schema

An example of _____ would be customer demographic data purchased from third parties or statistics compiled by the federal government. external data

In a transaction-processing system (TPS), if the TPS database is queried and updated while the transaction is taking place, this is called _____. real-time processing

_____ is reordering records in a database. Sorting

Management information systems provide reports that show conditions that are unusual or need attention from users of the system. These reports are called _____. exception reports

A _____ displays a subset of data from a table (or tables) based on the criteria specified. select query

In a database table that stores name and address information, "State" would be an example of a(n) _____. field name

Customer Relationship Management (CRM) software contains sophisticated databases that are designed to _____ and track all interactions with customers. manage

Which of the following is NOT a likely primary key? street address

What does the acronym DBMS stand for? database management system

_____ means that for each value in the foreign key of one table, there is a corresponding value in the primary key of another table. Referential integrity

If a college's database maintains a student's major and GPA information in only one place, this is an example of _____. data centralization

A(n) _____ is designed to improve communications and assist employees in accomplishing their daily tasks. office support system

_____ is the process of reducing data redundancy by recording data only once. Normalization

A _____ check ensures that the data entered into the database is within a certain range of numbers. range

A _____ check ensures that the data entered into the database is within a certain range of numbers. range

The type of information system that uses model management systems is a(n) _____. decision support system

The _____ indicates what type of data can be stored in a field. data type

A spreadsheet you create in Microsoft Excel that contains the supplies needed to start the semester is an example of a(n) _____. list

Which of the following is NOT a database component? list

In a transaction-processing system, if transaction data is accumulated until a certain point and then many transactions are processed all at once, this is called _____. batch processing

The speech-recognition feature of Microsoft Windows is an example of a _____. natural language processing (NLP) system

When you want to extract data from two or more tables, you use a(n) _____ query. join

To store a Web address, use a(n) _____ field in a database. hyperlink

A _____ relationship indicates that for each record in a table, there is only one corresponding record in a related table. one-to-one

_____ helps to ensure data integrity by maintaining information in only one place. Data centralization

Data _____ means that the data contained in a database is accurate and reliable. integrity

If a college keeps two lists, one for registration and one for overdue library books, both containing name and address information, this is an example of data _____. redundancy

A data _____ is a large-scale electronic repository of data that contains and organizes all of an organization's data in one place. warehouse

An individual trained in the design and building of databases is called a database _____. administrator

An expert system and a natural language processing system are both _____. knowledge-based systems

If a numeric field has a size of 7, which is the highest number it can hold? 9999999

_____ defines the maximum number of characters or numbers that a particular field can hold. Field size

The most commonly used type of database in the market today is the _____ database. relational

In Access, the Simple Query Wizard uses _____ to create a query. SQL

Exception reports and summary reports are part of a(n) _____. management information system

_____ is the branch of computer science that deals with the attempt to create computers that think like humans. Artificial intelligence

In a data warehouse, data gathered from sales, billing, and inventory departments are examples of _____ sources. internal data

Which of the following is a reason for creating a list instead of creating a database? to organize data for simple tasks

Unstructured data such as video clips and pictures are known as _____ because of the way they are encoded. binary large objects (BLOBs)

Computational fields are a type of database field used to store _____. formulas

Oracle Database 11g is an example of which type of database? multidimensional database

Classification, affinity grouping, and estimation are _____ methods used by managers to make their data more meaningful. data mining

The _____ is the value that the database uses for the field unless the user enters another value. default value

_____ databases can easily be customized to provide information to a variety of users (based on their need) and can process data much faster than pure relational databases Multidimensional

Data in a multidimensional database is organized in a _____ format. cube

A database _____ instructs a database to search for particular pieces of data. query

In a database, _____ fields store numbers used to perform calculations. numeric

Which of the following statements about object-oriented databases is FALSE? They store data in table format.

SQL uses _____ to extract records from a database by using English-like expressions that have variables and operations. relational algebra

A _____ relationship indicates that for a record in one table, there can be many related records in another table. one-to-many