

Review Test Submission: MID-Term test

User
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Course 14F_CST8215_300 Database
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Test MID-Term test
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Started
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Submitted Completed
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Status
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Attempt Score 62 out of 66 points
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s Instructions
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Question 1

1 out of 1 points

What is the most common type of relation in a relational database?

Selected Answer: C. One-to-Many

- Answers:
- A. Many-to-Many
 - B. One-to-One
 - C. One-to-Many
 - D. Uncle Dad

Question 2

0 out of 1 points

Where can you use a subselect?

Selected Answer: C. in the WHERE clause

- Answers:
- A. In the field selection (SELECT)
 - B. in the table selection (FROM)
 - C. in the WHERE clause
 - D. All of the above

Question 3

1 out of 1 points

First Normal Form (1NF) says that all column values must be _____.

Selected Answer: atomic

Correct Answer:

Evaluation Method	Correct Answer	Case Sensitivity
<input checked="" type="checkbox"/> <i>Exact Match</i>	Atomic	

Question 4

2 out of 2 points

Normalization is the process of [1] the design of a database so that it achieves the [2] structure.

Specified Answer for: 1 simplifying

Specified Answer for: 2 optimum

Correct Answers for: 1		
Evaluation Method	Correct Answer	Case Sensitivity
<input checked="" type="checkbox"/> <i>Exact Match</i>	simplifying	
Correct Answers for: 2		
Evaluation Method	Correct Answer	Case Sensitivity
<input checked="" type="checkbox"/> <i>Exact Match</i>	optimum	

Question 5

1 out of 1 points

The data in a relation model database is organized into what?

Selected Answer: B. Tables

- Answers:
- A. Leafs
 - B. Tables
 - C. Nodes
 - D. Bins

Question 6

1 out of 1 points

What is a primary key used for?

Selected Answer: D. Uniquely identify records in that table

- Answers:
- A. Open locked records
 - B. To start your car.
 - C. Cross reference data between relational tables
 - D. Uniquely identify records in that table

Question 7

1 out of 1 points

An index _____ the speed of data retrieval operations.

Selected Answer: improves

Correct Answer:

Evaluation Method	Correct Answer	Case Sensitivity
<input checked="" type="checkbox"/> <i>Exact Match</i>	improves	

Question 8

1 out of 1 points

What is the most common type of relation in a relational database?

Selected Answer: C. One-to-Many

- Answers:
- A. Many-to-Many
 - B. Uncle Dad
 - C. One-to-Many
 - D. One-to-One

Question 9

1 out of 1 points

Using SQL, which of the following command would retrieve all columns from a table called "employees"?

Selected Answer: B. select * from employees;

- Answers:
- A. give it to me employees!
 - B. select * from employees;

C. select all from employees;

D. select columns from employees;

Question 10

4 out of 4 points

What the the 4 types of database models? (Give 1 word answers only)


[1]


[2]


[3]

[4]





Specified Answer for: 1  flat

Specified Answer for: 2  hierarchical





Specified Answer for: 3  relational

Specified Answer for: 4  network




Correct Answers for: 1

Evaluation Method	Correct Answer	Case Sensitivity
 <i>Exact Match</i>	Flat	
 <i>Exact Match</i>	Hierarchical	
 <i>Exact Match</i>	Network	
 <i>Exact Match</i>	Relational	

Correct Answers for: 2

Evaluation Method	Correct Answer	Case Sensitivity
 <i>Exact Match</i>	Flat	
 <i>Exact Match</i>	Hierarchical	
 <i>Exact Match</i>	Network	
 <i>Exact Match</i>	Relational	

Correct Answers for: 3

Evaluation Method	Correct Answer	Case Sensitivity
 <i>Exact Match</i>	Flat	
 <i>Exact Match</i>	Hierarchical	
 <i>Exact Match</i>	Network	

 *Exact Match*

Relational

Correct Answers for: 4

Evaluation Method

Correct Answer

Case Sensitivity

 *Exact Match*

Flat

 *Exact Match*

Hierarchical

 *Exact Match*

Network


 *Exact Match*

Relational

Question 11

1 out of 1 points

What datatype would you use to hold a large amount of text information? (1 word)

Selected Answer:  TEXT

Correct Answer:

Evaluation Method

Correct Answer

Case Sensitivity

 *Contains*

text

Question 12

1 out of 1 points

What is the wildcard character?

Selected Answer:  %

Correct Answer:

Evaluation Method

Correct Answer

Case Sensitivity

 *Contains*

%

Question 13

1 out of 1 points

How many dimensions does a flat model database have? (Enter only the number)

Selected Answer:  2

Correct Answer:

Evaluation Method

Correct Answer

Case Sensitivity

 Exact Match**Question 14**

1 out of 1 points

Subselects allow you to query within another result set, limit your result set in a manner not covered by regular queries, or to correlate your results from multiple unrelated query in a single query.

Selected Answer:  TrueAnswers:  True

False

Question 15

1 out of 1 points

A VARCHAR field is used to store variable length strings.

Selected Answer:  TrueAnswers:  True

False

Question 16

0 out of 1 points

Which of the following SQL statements would allow you find all employees whose name starts with "jo"?


Selected Answer:  A. select * from employees where employee_name = 'jo%';

Answers:

A. select * from employees where employee_name = 'jo%';



B. select * from employees where employee_name like 'jo';

C. select * from employees where employee_name = 'jo';

 D. select * from employees where employee_name like 'jo%';**Question 17**

2 out of 2 points

[1] [2] become essential, however, when you start to create relationships that join together multiple tables in a database.

Specified Answer for: 1  PrimarySpecified Answer for: 2  keys**Correct Answers for: 1**

Evaluation Method	Correct Answer	Case Sensitivity
<input checked="" type="checkbox"/> <i>Exact Match</i>	Primary	
Correct Answers for: 2		
Evaluation Method	Correct Answer	Case Sensitivity
<input checked="" type="checkbox"/> <i>Exact Match</i>	keys	

Question 18

2 out of 2 points

Let's say that I want you to retrieve records between ids 22 and 25 exclusive, which of the following would be valid criteria?

- Selected Answers: A. id in (23,24)
 C. id > 22 and id < 25
- Answers: A. id in (23,24)
 B. id >=22 and <=25
 C. id > 22 and id < 25
 D. id =22 and id = 25

Question 19

1 out of 1 points

What in the relational model are used to represent "things" in the real world?

- Selected Answer: B. Tables
- Answers: A. Indexes
 B. Tables
 C. Fields
 D. All of the above.

Question 20

1 out of 1 points

"_____ table" is used to add a new table to a database

- Selected Answer: create
- Correct Answer:

Evaluation Method	Correct Answer	Case Sensitivity
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 *Exact Match*

Question 21

1 out of 1 points

"_____ table" is used to remove a table from a database

Selected Answer:  drop


Correct Answer:

Evaluation Method	Correct Answer	Case Sensitivity
 <i>Exact Match</i>	drop	


Question 22

1 out of 1 points

Which SQL keyword is used to retrieve data?

Selected Answer:  select

Correct Answer:

Evaluation Method	Correct Answer	Case Sensitivity
 <i>Contains</i>	select	


Question 23

1 out of 1 points

Which SQL keyword is used to remove data from a table?

Selected Answer:  delete


Correct Answer:

Evaluation Method	Correct Answer	Case Sensitivity
 <i>Contains</i>	delete	

Question 24

1 out of 2 points

Which of the following are valid SQL statements to remove all rows of data from the "employees" table?

Selected Answers:  A. delete * from employees;

- Answers:
- B. truncate employees;
 - A. delete * from employees;
 - B. truncate employees;
 - C. delete from table employees;
 - D. delete from table students;

Question 25

2 out of 2 points

What are the indicators of the business rules regarding a relationship? (*select all that apply*)

- B. Modality
- C. Cardinality

Answers: A. Incrimination

- B. Modality
- C. Cardinality
- D. Orientation

Question 26

1 out of 1 points

When the database follows a well-formulated model, it behaves _____.

Selected Answer: predictably

Correct Answer:

Evaluation Method	Correct Answer	Case Sensitivity
<input checked="" type="checkbox"/> <i>Exact Match</i>	predictably	

Question 27

1 out of 1 points

Which SQL keyword is used to add data to a table?

Selected Answer: insert

Correct Answer:

Evaluation Method	Correct Answer	Case Sensitivity
<input checked="" type="checkbox"/> <i>Contains</i>	insert	

Question 28

0 out of 1 points

Which of the following is a valid SQL statement?

Selected Answer: C. update employees(employee_name) values('Dan') where id=1

- Answers:
- A. change employees set employee_name='Dan' where id=1
 - B. update employees set employee_name='Dan' where id=1
 - C. update employees(employee_name) values('Dan') where id=1
 - D. set employees update employee_name='Dan' where id=1

Question 29

3 out of 3 points

What are the common types of relations?

- B. Many to Many
- C. One to Many
- D. One To One

Answers: A. Cousin Uncle Dad

- B. Many to Many
- C. One to Many
- D. One To One

Question 30

1 out of 1 points

What type of diagram allows you to describe all entities and their attributes in a database?

Selected Answer: A. Physical Entity Relationship diagram








- Answers:
- A. Physical Entity Relationship diagram
 - B. Dataflow diagram
 - C. Logical Flow Charts
 - D. Wo-tang clan charts







Question 31

7 out of 7 points


The normal forms are:

- [1] Normal Form
- [2] Normal Form
- [3] Normal Form
- [4] [5] Normal Form
- [6] Normal Form
- [7] Normal Form

- Specified Answer for: 1  First
- Specified Answer for: 2  Second
- Specified Answer for: 3  Third
- Specified Answer for: 4  Boyce
- Specified Answer for: 5  Codd
- Specified Answer for: 6  Fourth
- Specified Answer for: 7  Fifth

Correct Answers for: 1		
Evaluation Method	Correct Answer	Case Sensitivity
 <i>Exact Match</i>	First	
Correct Answers for: 2		
Evaluation Method	Correct Answer	Case Sensitivity
 <i>Exact Match</i>	Second	
Correct Answers for: 3		
Evaluation Method	Correct Answer	Case Sensitivity
 <i>Exact Match</i>	Third	
Correct Answers for: 4		
Evaluation Method	Correct Answer	Case Sensitivity
 <i>Exact Match</i>	Boyce	
Correct Answers for: 5		
Evaluation Method	Correct Answer	Case Sensitivity
 <i>Exact Match</i>	Codd	
Correct Answers for: 6		
Evaluation Method	Correct Answer	Case Sensitivity
 <i>Exact Match</i>	Fourth	


Correct Answers for: 7


Evaluation Method	Correct Answer	Case Sensitivity
 <i>Exact Match</i>	Fifth	

Question 32

1 out of 1 points

Which of the following SQL statements would retrieve "employee_name" from the "employees" table ordered by "start_date"?


Selected Answer:  D. select employee_name from employees order by start_date;

- Answers:
- A. select * from employees order by start_date;
 - B. select employee_name from employees ordered by start_date;
 - C. select employee_name from employees order on start_date;
 -  D. select employee_name from employees order by start_date;


Question 33

1 out of 1 points

A table is said to be in Second Normal Form (2NF), if it is in 1NF and every non-key column is fully dependent on the (entire) _____ key.

Selected Answer:  primary

Correct Answer:

Evaluation Method	Correct Answer	Case Sensitivity
 <i>Exact Match</i>	Primary	


Question 34

1 out of 1 points

Which SQL keyword is used to change data in a table?

Selected Answer:  update

Correct Answer:

Evaluation Method	Correct Answer	Case Sensitivity
 <i>Contains</i>	update	

Question 35

1 out of 1 points

"_____ table" is used to alter the structure of an existing table in a database

Selected Answer: alter

Correct Answer:

Evaluation Method	Correct Answer	Case Sensitivity
<input checked="" type="checkbox"/> Exact Match	alter	

Question 36

1 out of 1 points

Which of the following can be characteristic(s) of a view?

Selected Answer: D. All of the above

- Answers:
- A. A view can be permanently saved in the database with the table
 - B. A view can include WHERE statements
 - C. A view can include joins between more than one table
 - D. All of the above

Question 37

2 out of 2 points

The basic idea behind the relational model is that a [1] consists of a series of unordered [2] (or relations) that can be manipulated using non-procedural operations that return tables.

Specified Answer for: 1 database

Specified Answer for: 2 tables

Correct Answers for: 1		
Evaluation Method	Correct Answer	Case Sensitivity
<input checked="" type="checkbox"/> Exact Match	database	
Correct Answers for: 2		
Evaluation Method	Correct Answer	Case Sensitivity
<input checked="" type="checkbox"/> Exact Match	tables	

Question 38

1 out of 1 points

The difference between "delete from table" and "truncate table" is?

Selected Answer: D. Truncate resets the auto increment functionality.

- Answers:
- A. Delete resets the auto increment functionality.
 - B. They do the exact same thing.
 - C. Truncate can be undone.
 - D. Truncate resets the auto increment functionality.

Question 39

1 out of 1 points

The OR operator displays a record if ANY conditions listed are true. The AND operator displays a record if ALL of the conditions listed are true?

Selected Answer: True

- Answers:
- True
 - False

Question 40

1 out of 1 points

Which WHERE clause operator allows you to do wildcard matching?

Selected Answer: LIKE

Correct Answer:

Evaluation Method	Correct Answer	Case Sensitivity
<input checked="" type="checkbox"/> <i>Contains</i>	like	

Question 41

1 out of 1 points

Every database consists of one or more _____, which store the database's data/information.

Selected Answer: table

Correct Answer:

Evaluation Method	Correct Answer	Case Sensitivity
<input checked="" type="checkbox"/> <i>Exact Match</i>	tables	
<input checked="" type="checkbox"/> <i>Exact Match</i>	table	

Question 42

1 out of 1 points

Which of the following is a valid INSERT statement

Selected Answer: D. insert into employees (employee_name,start_date) values ('Dan','2012-09-01');

- Answers:
- A. update into employees (employee_name,start_date) values ('Dan','2012-09-01');
 - B. add to employees (employee_name,start_date) values ('Dan','2012-09-01');
 - C. insert into employees employee_name,start_date values 'Dan','2012-09-01';
 - D. insert into employees (employee_name,start_date) values ('Dan','2012-09-01');

Question 43

1 out of 1 points

The basic syntax to join tables is:

```
SELECT columns
FROM table1
JOIN table2 ON (table1.id_field=table2.id_field)
```

Selected Answer: True

- Answers:
- True
 - False

Question 44

1 out of 1 points

A table is said to be in Third Normal Form (3NF), if it is in 2NF and if all non-key columns are mutually

_____.

Selected Answer: independent

Correct Answer:

Evaluation Method	Correct Answer	Case Sensitivity
<input checked="" type="checkbox"/> Exact Match	independant	
<input checked="" type="checkbox"/> Exact Match	independent	

Question 45

1 out of 1 points

What SQL keyword is used to retrieve only rows of data that are unique?

Selected Answer: distinct

Correct Answer:

Evaluation Method	Correct Answer	Case Sensitivity
<input checked="" type="checkbox"/> <i>Exact Match</i>	DISTINCT	

Question 46

3 out of 3 points

When designing a database, you have to make decisions regarding how best to take some system in the [1][2] and model it in a [3].

Specified Answer for: 1 realSpecified Answer for: 2 worldSpecified Answer for: 3 database

Correct Answers for: 1		
Evaluation Method	Correct Answer	Case Sensitivity
<input checked="" type="checkbox"/> <i>Exact Match</i>	real	
Correct Answers for: 2		
Evaluation Method	Correct Answer	Case Sensitivity
<input checked="" type="checkbox"/> <i>Exact Match</i>	world	
Correct Answers for: 3		
Evaluation Method	Correct Answer	Case Sensitivity
<input checked="" type="checkbox"/> <i>Exact Match</i>	database	

Question 47

1 out of 1 points

What does the SQL FROM clause do?

Selected Answer: A. Specifies the tables to retrieve rows from.Answers: A. Specifies the tables to retrieve rows from.

B. Specifies a search condition.

C. None of the above

D. Specifies the columns we are retrieving.