

# CST8110 - Introduction to Programming

## Hybrid Activity #5 Solutions- If Statement

Complete question 4.27 and 4.28 in the text book.

```
4.27 a)  if (x < 10)
          if (y > 10)
              System.out.println ("*****");
          else
              System.out.println ("#####");
          System.out.println ("$$$$$");
```

**When x = 9 and y = 11 answer is**      **\*\*\*\*\***  
   **\$\$\$\$\$**

**When x = 11 and y = 9 answer is**      **\$\$\$\$\$**

```
b)  if (x < 10)
    {
        if (y > 10)
            System.out.println ("*****");
    }
    else
    {
        System.out.println ("#####");
        System.out.println ("$$$$$");
    }
```

**When x = 9 and y = 11 answer is**      **\*\*\*\*\***

**When x = 11 and y = 9 answer is**      **#####**  
   **\$\$\$\$\$**

```
4.28a)
    if (y == 8)
    if (x==5)
        System.out.println ("@@@@@");
    else
        System.out.println ("#####");
    System.out.println ("$$$$$");
    System.out.println ("&&&&&");
```

OR

```
if (y == 8) {
    if (x==5)
        System.out.println ("@@@@@");
    else
        System.out.println ("#####");
}
System.out.println ("$$$$$");
System.out.println ("&&&&&");
```

B and c)  
if (y == 8) {

```
        if (x==5)
            System.out.println ("@@@@@");
    }
    else {
        System.out.println ("#####");
        System.out.println ("$$$$$");
        System.out.println ("&&&&&");
    }
}
```

OR

```
if (y == 8)
    if (x==5)
        System.out.println ("@@@@@");
    else {
        System.out.println ("#####");
        System.out.println ("$$$$$");
        System.out.println ("&&&&&");
    }
}
```

```
d)
if (y == 8) {
    if (x==5)
        System.out.println ("@@@@@");
}
else {
    System.out.println ("#####");
    System.out.println ("$$$$$");
    System.out.println ("&&&&&");
}
}
```