WIX1002 Fundamentals of Programming
Semester 1 2015/2016
Tutorial 3 Flow of Control (Selection)

1. Write statements for each of the following
    a. Determine whether an integer is an odd number or even number.
    b. If the character is M or m, display Male, if the character is F or f, display Female, otherwise display Unknown.
    c. Display two strings in alphabetical order ignoring their case.
    d. Display the state base on the table below using switch statement.

Code	State
1	Pulau Pinang
3	Perak
4	Selangor
5	Kuala Lumpur
Others	Unknown

2. Correct the error for the following statements.
    a.
```
if (num1 = num2)
    System.out.println("Number 1 is equal to number 2.");
```
    b.
```
if (x > y > z)
  System.out.println("x is the largest number");
```
    c.
```
String s1, s2;
if (s1==s2)
  System.out.println("They are equal strings.");
else (s1!=s2)
  System.out.println("They are not equal strings.");
```
    d.
```
if x>0 or y>0;
  System.out.println("Either x or y is positive");
```

3. Write the output for the following statements when x=9 and y=10
    a.
```
if (x < 10)
if (y > 10)
System.out.println("*****");
else
System.out.println("#####");
System.out.println("$$$$$");
```

b.

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

c.

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

d.

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

4. Write the java statements that used the if statement to find the biggest number among three given integers.

5. Write the java statements that determine whether the Leap year. A Leap year is divisible by 4 but not by 100. However, a Leap year is also divisible by 400.