CSC111 - Computer Programming I Tutorial

Topics

Boolean expressions Conditional statements (if, switch)

What will happen when you attempt and run the following code?

a)  
```java
int k=10;
switch(k){
case 10:
    System.out.println("ten");
case 20:
    System.out.println("twenty");
    break;
default:
    System.out.println("This is the default output"); }
```

b)  
```java
int k=10;
switch(k){
default:
    System.out.println("This is the default output");
    break;
case 10:
    System.out.println("ten");
    break;
case 20:
    System.out.println("twenty");
    break;
}
```

c)  
```java
public class MyIf{  
    boolean b;
    public static void main(String argv[]){
        if(b){
            System.out.println("The value of b was true");
        }
        else{
            System.out.println("The value of b was false");
        }
    }
}
```

d)
import java.util.*;
public class ClassifyAge
{
    public static void main (String args [])
    {
        Scanner keyboard = new Scanner(System.in);
        System.out.println ("Welcome to Age Classification Program.");
        System.out.print ("Enter age : ");
        int age = keyboard.nextInt ();
        if (age = 0) // for a person born, but not yet having reached first birthday
            System.out.println ("Person aged " + age + " is a baby.");
        else if age <= 12 // for person between 1 and 12
            System.out.println ("Person aged " + age + " is a child.");
        else if (12 < age <= 19) // for person between 13 and 19
            System.out.println ("Person aged " + age + " is a teenager.");
        else if (19 > age && age <= 65) // for person between 20 and 65
            System.out.println ("Person aged " + age + " is an adult.");
        else if (age > 65 && age <= 120) // for person older than 65
            System.out.println ("Person aged " + age + " is a senior citizen.");
        else // for unknown age
            { System.out.println ("Unknown age classification.");
            }
        System.out.println ();
        System.out.println ("Done with Age Classification Program.");
    }
}