CSC111 - Computer Programming I Tutorial

Topics

Boolean expressions Conditional statements (if, switch)

What is the output of the following code?

a)
   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)
   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)
   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.");
    }
}