**public class Dog{**

**private String color = "Black";**

**private String action = "";**

**//your code here**

**}**

**public class Midterm{**

**public static void main(String[] args){**

**Dog scooby = new Dog();**

**scooby.setAction("Barking");**

**scooby.printDog();**

**Dog odie = new Dog ("Red");**

**odie.setAction("Sitting");**

**odie.printDog();**

**Dog goofy = new Dog("Blue");**

**goofy.setAction("Eating");**

**goofy.printDog();**

**scooby.setColor("Brown");**

**scooby.printDog();**

**}**

**}**

Complete the **Dog** class so the **main** method above produces the following output:

**Black dog is Barking.**

**Red dog is Sitting.**

**Blue dog is Eating.**

**Brown dog is Barking.**

**[Answer on the answer-script]**

**Test5 t1 = new Test5();**

**t1.methodA();**

**t1.methodA();**

**Test5 t2 = new Test5(2,3);**

**t2.methodA();**

**t2.methodA();**

|  |
| --- |
| **public class Test5{** |
| **private int sum;** |
| **private int y;** |
| **private int x;** |
| **public Test5(){** |
| **sum = 1;** |
| **y = 1;** |
| **}** |
| **public Test5(int x, int p){** |
| **sum = x;** |
| **y = p;** |
| **}** |
| **public void methodA(){** |
| **int x=0;** |
| **int[] msg = new int[1];** |
| **msg[0] = 5;** |
| **y = y + methodB(msg, msg[0]) + y;** |
| **x = y + methodB(methodB(msg, msg[0]), msg[0]) + sum;** |
| **sum = x + y + msg[0];** |
| **System.out.println(this.x + " " + y+ " " + sum);** |
| **}** |
| **private int methodB(int[] mg2, int y){** |
| **int x = 0;** |
| **this.y = y - mg2[0];** |
| **this.x = x - 33 + y;** |
| **x = y + this.y;** |
| **sum = sum - x + y;** |
| **mg2[0] = y - sum;** |
| **System.out.println(x + " " + y+ " " + sum);** |
| **return mg2[0];** |
| **}** |
| **private int methodB(int sum, int mg1){** |
| **int x = 0;** |
| **y = y - this.sum;** |
| **x = x + 33 + mg1;** |
| **sum = sum + x + y;** |
| **mg1 = y - mg1;** |
| **System.out.println(x + " " + y+ " " + sum);** |
| **return mg1;** |
| **}** |
| **}** |