BRAC University

Department of Computer Science and Engineering

# Spring 2014

**CSE111(Programming Language-II )**

Trace the output of the following Java Codes. Then run them in Dr. Java to see if the results match.

**Task 1**

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

//Run the methodA() and methodB() on an Instance of Test few times and explain the answer.

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

public class Test{

int sum;

public int y;

public void methodA(){

int x=0, y =0;

y = y + 7;

x = y + 11;

sum = x + y;

System.out.println(x + " " + y+ " " + sum);

}

public void methodB(){

int x = 0;

y = y + 11;

x = x + 33 + y;

sum = sum + x + y;

System.out.println(x + " " + y+ " " + sum);

}

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**Task 2**

public class Q3

{

public static void main(String args[])

{

String test = "";

inti = 5, j = 0, k = 15;

while (i< 10){

k-=1;

j = k;

while (j > 10 ){

if (j % 2 == 0){

test = "<--";

test = test + i + 2 + "-->" + (j / 2);

}else{

test = "-->";

test = "-->" + (i / 2) + test + j;

}

System.out.println(test);

--j;

}

i++;

}

}

}