**LAB 8**

**(Assessment) Logic Check**

**1. Enter the following values as input for each of the five numbers. Check the output to make sure your Error7 is calculating correctly. For each of the input, show the output ofthe program like the following:**

**\*\*\*This program will find the average of 5 numbers\*\*\***

**Please enter 0 number:1**

**Please enter 1 number:2**

**Please enter 2 number:3**

**Please enter 3 number:4**

**Please enter 4 number:5**

**The average of 5 numbers is 3**

**Average of the positive numbers is 3**

**•1, 2, 3, 4, 5**

\*\*\*This program will find the average of 5 numbers\*\*\*

Please enter 0 number:1

Please enter 1 number:2

Please enter 2 number:3

Please enter 3 number:4

Please enter 4 number:5

The average of 5 numbers is 3

Average of the positive numbers is 3

**•5, 10, 15, 20, -25**

\*\*\*This program will find the average of 5 numbers\*\*\*

Please enter 0 number:5

Please enter 1 number:10

Please enter 2 number:15

Please enter 3 number:20

Please enter 4 number:-25

The average of 5 numbers is 5

Average of the positive numbers is 12.5

**•5, -5, 0, 0, 0**

\*\*\*This program will find the average of 5 numbers\*\*\*

Please enter 0 number:5

Please enter 1 number:-5

Please enter 2 number:0

Please enter 3 number:0

Please enter 4 number:0

The average of 5 numbers is 0

Average of the positive numbers is 5

**•5, -5, 10, -10, 0**

\*\*\*This program will find the average of 5 numbers\*\*\*

Please enter 0 number:5

Please enter 1 number:-5

Please enter 2 number:10

Please enter 3 number:-10

Please enter 4 number:0

The average of 5 numbers is 0

Average of the positive numbers is 7.5

**•-1, -2, -3, -4, -5**

\*\*\*This program will find the average of 5 numbers\*\*\*

Please enter 0 number:-1

Please enter 1 number:-2

Please enter 2 number:-3

Please enter 3 number:-4

Please enter 4 number:-5

The average of 5 numbers is -3

There is no positive number

**2. What is the output of the following code sequence? (code included at the end of FiveAverage.java)**

**Int i = 10;**

**i--;**

**System.out.println(i);**

**--i;**

**System.out.println(i);**

**System.out.println(++i);**

**System.out.println(i++);**

**System.out.println(i);**

**System.out.println(--i);**

**System.out.println(i--);**

**System.out.println(i);**

**if(i++ == 8)**

**System.out.println("Eight");**

**if(++i == 9)**

**System.out.println("Nine”);**

**System.out.println("Final value "+ i);**

The output of this line of code will be:

Prefix and Postfix operator Code

9

8

9

9

10

9

9

8

Eight

Final value 10

**3. Provide the code change so it also prints out Nine**

Int i = 10;

i--;

System.out.println(i);

--i;

System.out.println(i);

System.out.println(++i);

System.out.println(i++);

System.out.println(i);

System.out.println(--i);

System.out.println(i--);

System.out.println(i);

if(i++ == 8)

System.out.println("Eight");

if(i++ == 9) // Made change here from (++i == 9) to (i++ == 9).

System.out.println("Nine”);

System.out.println("Final value "+ i);