**King Saud University**

**College of Computer & Information Science**

**CSC111 – Lab3**

**Arithmetic operator, Increment, Decrement**

**All Sections**

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Exercise 1:

Write a java program that reads an integer and print the least significant digit and the next least significant digit.

Example:

Enter an integer number > 7235

The least significant digit is 5

The next least significant digit is 3

Exercise 2:

Trace the following java program and find the output:

import java.util.Scanner;

public class inc\_dec {

public static void main(String[ ] args) {

Scanner read = new Scanner (System.in);

int x,y,z;

System.out.println (" enter the values of x and y : ");

x= read.nextInt ( );

y= read.nextInt ( );

z= x+y;

System.out.println (++x);

System.out.println (y--);

System.out.println (z);

System.out.println (x--);

System.out.println (y);

}

}

Example:

enter the values of x and y :

1

2

Exercise 3:

Write a java program that reads an integer decimal number smaller than 32 and prints the equivalent representation in binary system.

*Hint: use four variables to store the value of the binary digits.*

Example:

Enter an integer number smaller than 15 > 12

The equivalent in binary = 01100