**ASSIGNMENT 5**

1. Write a program in Java to display the n terms of odd natural number and their sum

public class Assign\_5\_Q1 {

public static void main(String[] args) {

int n=5,i=0,sum=0;

for(i=0;i<n;i++) {

sum=sum+(2\*i+1);

}

System.out.print("sum="+sum);

}

}

Output:

sum=25

2) Write a Java program that reads an positive integer and count the number of digits the number has.

import java.util.Scanner;

public class Assign\_5\_Q2 {

public static void main(String[] args) {

int no=0,count=0;

Scanner sc = new Scanner(System.in);

System.out.println("Enter a number :");

no= sc.nextInt();

while(no!=0)

{

no=no/10;

count++;

}

System.out.println("No. of digits ="+count);

}

}

Output:

Enter a number :

5000

No. of digits =4

3) Write a program in Java to display the n terms of odd natural number and their sum.

public class Assign\_5\_Q1 {

public static void main(String[] args) {

int n=5,i=0,sum=0;

for(i=0;i<n;i++) {

sum=sum+(2\*i+1);

}

System.out.print("sum="+sum);

}

}

Output:

sum=25

4) Write a Java program that reads an integer and check whether it is negative, zero, or positive.

import java.util.Scanner;

public class Assign\_5\_Q4 {

public static void main(String[] args) {

int no=0;

Scanner sc = new Scanner(System.in);

System.out.println("Enter a number :");

no= sc.nextInt();

if(no>0)

System.out.print("It is a positive number");

else if(no==0)

System.out.print("The number is ZERO");

else

System.out.print("It is a negative number");

}

}

Output:

Enter a number :

-300

It is a negative numbe

5) Write a Java program to compare two given signed and unsigned numbers.

import java.util.Scanner;

public class Assign\_5\_Q5 {

public static void main(String[] args) {

int n1=0,n2=0;

Scanner sc = new Scanner(System.in);

System.out.println("Enter First number :");

n1= sc.nextInt();

System.out.println("Enter Second number :");

n2= sc.nextInt();

if(n1 == n2)

System.out.println("Numbers are EQUAL ");

else if(n1 < n2)

System.out.println(n1+ " is LESS than "+n2);

else

System.out.println(n1+" is GREATER than "+n2);

}

}

Output:

Enter First number :

500

Enter Second number :

-300

500 is GREATER than -300