**JAVA ASSIGNMENT – 5** (SOLUTIONS)

SOLUTION 1 :

public class oddoreven {

public static void main(String[] args)

{

int i,n,sum=0;

System.out.print("Input number of terms is: ");

Scanner in = new Scanner(System.in)

n = in.nextInt();

System.out.println ("\nThe odd numbers are :");

for(i=1;i<=n;i++)

{

System.out.println (2\*i-1);

sum+=2\*i-1;

}

System.out.println ("The Sum of odd Natural Number upto " +n+" terms is: " +sum);

}

}

}

SOLUTION 2 :

public class intno {

public static void main(String[] args)

{

Scanner in = new Scanner(System.in);

System.out.print("Input an integer number less than ten billion: ");

if (in.hasNextLong())

{ long n = in.nextLong();

if (n < 0)

{ n \*= -1;

}

if (n >= 10000000000L)

{

System.out.println("Number is greater or equals 10,000,000,000!");

}

else

{ int digits = 1;

if (n >= 10 && n < 100)

{ digits = 2;

}

else if (n >= 100 && n < 1000)

{ digits = 3;

}

else if (n >= 1000 && n < 10000)

{ digits = 4;

}

else if (n >= 10000 && n < 100000)

{ digits = 5;

}

else if (n >= 100000 && n < 1000000)

{ digits = 6;

}

else if (n >= 1000000 && n < 10000000)

{ digits = 7;

}

else if (n >= 10000000 && n < 100000000)

{ digits = 8;

}

else if (n >= 100000000 && n < 1000000000)

{ digits = 9;

}

else if (n >= 1000000000 && n < 10000000000L)

{ digits = 10;

}

System.out.println("Number of digits in the number: " + digits);

}

}

else

{ System.out.println("The number is not an integer");

}

}

}

SOLUTION 3 :

public class oddoreven {

public static void main(String[] args)

{

int i,n,sum=0;

System.out.print("Input number of terms is: ");

Scanner in = new Scanner(System.in)

n = in.nextInt();

System.out.println ("\nThe odd numbers are :");

for(i=1;i<=n;i++)

{

System.out.println (2\*i-1);

sum+=2\*i-1;

}

System.out.println ("The Sum of odd Natural Number upto " +n+" terms is: " +sum);

}

}

}

SOLUTION 4 :

class PosNegZero

{

public static void main(String []s)

{ int num;

Scanner sc=new Scanner(System.in);

System.out.print("Enter any integer number: ");

num=sc.nextInt();

if(num>0)

System.out.println(num + " is POSITIVE NUMBER.");

else if(num<0)

System.out.println(num + " is NEGATIVE NUMBER.");

else

System.out.println("IT's ZERO.");

}

}

SOLUTION 5 :

public class Main {

public static void main(String[] args) {

int in1 = Integer.MIN\_VALUE;

int in2 = Integer.MAX\_VALUE;

System.out.println("Signed integers: " + in1 + ", " + in2);

System.out.println("-----------------------------------------");

int compare\_Signed\_num = Integer.compare(in1, in2);

System.out.println("Result of comparing signed numbers: " + compare\_Signed\_num);

int compare\_Unsigned\_num = Integer.compareUnsigned(in1, in2);

System.out.println("Result of comparing unsigned numbers: " + compare\_Unsigned\_num);

}

}