// Write a program to print 10 even numbers and 10 odd numbers.

public class DoWhileAssgn1{

    public static void main(String args[]){

        int i = 1;

        System.out.println("Ten even numbers are:");

        do {

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

            i++;

        }

        while(i <= 10);

        i = 1;

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

        do {

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

            i++;

        }

        while(i <= 10);

    }

}

// Write a program to find factorial of a number.

import java.util.\*;

public class DoWhileAssgn2{

     public static void main(String []args){

        System.out.println("Enter the number");

        Scanner sc = new Scanner(System.in);

        int num = sc.nextInt();

        int fact = num;

        do {

            fact = fact \* (num - 1);

            num--;

        }

        while(num > 1);

        System.out.println("The factorial is " + fact);

     }

}

// Write a program to generate tables of 10.

public class DoWhileAssgn3{

     public static void main(String []args){

        System.out.println("Table of 10 is :");

        int i = 1;

        do {

            System.out.println("10 \* " + i + " = " + (10\*i));

            i++;

        }

        while(i <= 10);

     }

}

// Write a program to add the digits of a number.

import java.util.\*;

public class DoWhileAssgn4{

     public static void main(String []args){

        System.out.println("Enter the number to be added");

        Scanner sc = new Scanner(System.in);

        int num = sc.nextInt();

        int result = 0;

        do {

            result += num % 10;

            num = num / 10;

        }

        while(num != 0);

        System.out.println(" The addition of digits is " + result );

     }

}

// Write a program to reverse the digits of a number.

import java.util.\*;

public class DoWhileAssgn5{

     public static void main(String []args){

        System.out.println("Enter the number to be added");

        Scanner sc = new Scanner(System.in);

        int num = sc.nextInt();

        String result = "";

        do {

            result += "" + num % 10;

            num = num / 10;

        }

        while(num != 0);

        System.out.println(" The reverse of number is " + Integer.parseInt(result) );

     }

}

// Write a program to generate 10 Fibonacci numbers.

public class DoWhileAssgn6{

     public static void main(String []args){

        System.out.println(" 10 Fibonacci series is :");

        int i = 1, n1 = 0, n2 = 1, n3 = 0;

        System.out.println(n1);

        System.out.println(n2);

        do {

            n3 = n1 + n2;

            System.out.println(n3);

            n1 = n2;

            n2 = n3;

            i++;

        }

        while(i <= 8);

     }

}