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

public class ForAssgn1{

    public static void main(String args[]){

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

        for(int i = 1; i <= 10; i++){

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

        }

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

        for(int i = 1; i <= 10; i++) {

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

        }

    }

}

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

import java.util.\*;

public class ForAssgn2{

    public static void main(String args[]){

        Scanner sc = new Scanner(System.in);

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

        int num = sc.nextInt();

        int fact = num;

        for(int i = 1; i <= (num - 1); i++){

            fact = fact \* (num - i);

        }

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

    }

}

// Write a program to generate tables of 10.

public class ForAssgn3{

    public static void main(String args[]){

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

        for(int i = 1; i <= 10; i++){

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

        }

    }

}

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

import java.util.\*;

public class ForAssgn4{

    public static void main(String args[]){

        Scanner sc = new Scanner(System.in);

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

        int num = sc.nextInt();

        int result = 0;

        for(int i = num; true ; i++){

            result += num % 10;

            num = num / 10;

            if(num == 0){

                break;

            }

        }

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

    }

}

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

import java.util.\*;

public class ForAssgn5{

     public static void main(String args[]){

        Scanner sc = new Scanner(System.in);

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

        int num = sc.nextInt();

        String result = "";

        for(int i = 0; true; i++){

            result += "" + num % 10;

            num = num / 10;

            if(num == 0){

              break;

            }

        }

        System.out.println("The Reverse is " + Integer.parseInt(result));

    }

}

// Write a program to generate 10 Fibonacci numbers.

public class ForAssgn6{

     public static void main(String args[]){

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

       int n1 = 0, n2 = 1;

       System.out.println(n1);

       System.out.println(n2);

       int res = 0;

       for(int i = 1; i <= 8; i++ ){

           res = n1 + n2;

           System.out.println(res);

           n1 = n2;

           n2 = res;

       }

    }

}