// 1st Answer:---- //        Write a program to print whether a number is even or odd, also take input from the user.

import java.util.Scanner;

public class firstAnswer {

    public static void main(String[] args) {

        int number;//Initializing

        Scanner sc=new Scanner(System.in);

        System.out.print("Please Enter the number: ");

        number=sc.nextInt();//Taking Input from user

        //Logic

        if(number % 2 == 0){

            System.out.println("The number: "+ number+ " is Even");

        }else{

            System.out.println("The number: "+ number+ " is Odd");

        }

    }

}

// 2ed Answer:--         //Take name as input and print a greeting message for that particular name.

import java.util.Scanner;

public class SecondAnswer {

    public static void main(String[] args) {

        Scanner sc=new Scanner(System.in);

        String Name = sc.nextLine();// Taking input from user

        System.out.println("Have a nice day "+Name);

    }

}

//3rd Answer:- //Write a program to input principal, time, and rate (P, T, R) from the user and find Simple Interest.

import java.util.Scanner;

public class thirdAnswers {

    public static void main(String[] args) {

        Scanner sc= new Scanner(System.in);

        System.out.println("Enter three numbers");

        int principal  = sc.nextInt();

        System.out.println();

        int time = sc.nextInt();

        System.out.println();

        int rate= sc.nextInt();

        System.out.println();

        System.out.println("Simple Interest:- "+ principal\*rate\*time);

    }

}

// 4th Answer Take in two numbers and an operator (+, -, \*, /) and calculate the value. (Use if conditions)

import java.util.Scanner;

import java.lang.String;

public class fourthAnswer {

    public static void main(String[] args) {

            Scanner sc = new Scanner(System.in);

            System.out.println("Enter two numbers");

            int num1=sc.nextInt();

            int num2=sc.nextInt();

            String sign= sc.next();

            if(sign.equals("+")){       // here sign == "+" will not work

                System.out.println("Num1 + Num2 = "+ (num1+num2));

            }else if (sign.equals("-")) {

                System.out.println("Num1 - Num2 = "+ (num1-num2));

            }else if(sign.equals("\*")){

                System.out.println("Num1 \* Num2 = "+ (num1\*num2));

            }else{

                System.out.println("Num1 / Num2 = "+ (num1/num2));

            }

    }

}

// 5th Answer:-

import java.util.Scanner;

public class fans {

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);

        int x=sc.nextInt();

        int y=sc.nextInt();

        if(x>y){

            System.out.println("X is greatest");

        }else{

            System.out.println("Y is greatest");

        }

    }

}

//6th Answer :-

import java.util.Scanner;

public class sixthAns {

    public static void main(String[] args) {

        //Input currency in rupees and output in USD.

        // to take input from user we use Scanner class

        Scanner scan=new Scanner(System.in);

        System.out.println();

        int rupees=scan.nextInt();

        System.out.println("In USD = " + (rupees/75));

    }

}

// 7th Answer :-- Java program to generate fibonacci series upto n value

import java.util.Scanner;

public class Main

{

public static void main(String args[])

{

Scanner sc = new Scanner(System.in);

int sum = 0, n;

int a = 0;

int b = 1;

System.out.println("Enter the nth value: ");

n = sc.nextInt();

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

while(sum <= n)

{

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

a = b;  // swap elements

b = sum;

sum = a + b;  // next term is the sum of the last two terms

}

}

}

// 8th Answer

import java.io.\*;

import java.util.Scanner;

class GFG {

    public static boolean isPalindrome(String str)

    {

        // Initializing an empty string to store the reverse

        // of the original str

        String reveString = "";

        // Initializing a new boolean variable for the

        // answer

        boolean ans = false;

        for (int i = str.length() - 1; i >= 0; i--) {

            reveString = reveString + str.charAt(i);

        }

        // Checking if both the strings are equal

        if (str.equals(reveString)) {

            ans = true;

        }

        return ans;

    }

    public static void main(String[] args)

    {

        Scanner scan = new Scanner(System.in);

        // Input string

        String str = scan.nextLine();

        // Convert the string to lowercase

        str = str.toLowerCase();

        boolean A = isPalindrome(str);

        if (A) {

            System.out.println("Palindrome");

        }else{

            System.out.println("Not Palindrome");

        }

    }

}

// 9th Answer

import java.util.Scanner;

public class ninethans {

   public static void main(String args[]){

      int num1, num2;

      Scanner sc = new Scanner(System.in);

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

      num1 = sc.nextInt();

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

      num2 = sc.nextInt();

      for (int i = num1; i<num2; i++){

         int check, reminder, sum = 0;

         check = i;

         while(check != 0) {

            reminder = check % 10;

            sum = sum + (reminder \* reminder \* reminder);

            check = check / 10;

         }

         if(sum == i){

            System.out.println(""+i);

         }

      }

   }

}