

```
// 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);
            }
        }
    }
}
```