```java
1. import java.util.Scanner;

public class Amstrong {

    public static void main(String[] args) {

        Scanner s= new Scanner(System.in);

        int n= s.nextInt();


        int temp=n;

        int sum =0;

        while(temp>0)

        {

            int rem = temp%10;

            sum+= Math.pow(rem,3);

            temp/=10;

        }

        if(n==sum)

        {

            System.out.print(n + " it's a Armstrong Number");

        }

        else

        {

            System.out.print(n + "it's not a Armstrong Number");

        }
```

```
        }


}


2 .


1. import java.util.Scanner;


public class Basic {


    public static void main(String[] args) {


        for(int i=100;i<=999;i++)

        {

            int temp=i;

            int sum =0;

            while(temp>0)

            {

                int rem = temp%10;

                sum+= Math.pow(rem,3);

                temp/=10;

            }

            if(i==sum)

            {

                System.out.println(i);

            }

        }
```

```
        }



}



3.



1. import java.util.Scanner;



public class First{



    public static void main(String[] args) {



        int principal=5000;

        int rate = 5;

        int Time = 10;

          int SI=0;

          double CI=0;



          SI= (principal * rate * Time)/100;



          System.out.println("SI is : "+ SI);



          int n = 12;

          double t=0.05;

          CI =  Math.pow(1+ (t/n),n*Time) * principal;
```

```java
            System.out.println("CI is : "+ CI);


    }


}
```

4.

```java
import java.util.Scanner;


public class Compare {


    public static void main(String[] args) {


        Scanner sc = new Scanner(System.in);

        int a = sc.nextInt();

        int b = sc.nextInt();

        int c = sc.nextInt();




        if(a>60 && b>60 && c>60)

        {

            System.out.print("Pass");

        }

        else if(a> 60 && b>60 && c<60 || a> 60 && b<60 && c>60 || a<60 &&
b>60 && c>60 )
```

```java
            {
                System.out.print("promoted for further ");
            }
            else
            {
                System.out.print("Fail");
            }
    }


}
```

5.

```java
import java.util.Scanner;


public class Base{


    public static void main(String[] args) {


        Scanner sc = new Scanner(System.in);

        int n = sc.nextInt();

        double tax =0;

        if(n>=0 && n<=180000)

        {
                System.out.print("Nil");
        }

        else if(n>=181001 && n<=300000)
```

```java
            {

                    tax = (n * 0.1);

                    System.out.print(tax);

            }

            else if(n>=300001 && n<=500000)

            {

                    tax = (n * 0.2);

                    System.out.print(tax);

            }

            else

            {

                    tax = (n * 0.3);

                    System.out.print(tax);

            }

        }


}
```

6.

```java
1. import java.util.Scanner;


public class Login {


    public static void main(String[] args) {

            Scanner scanner= new Scanner(System.in);

            String name = null ;

            int flag =0;
```

```java
        for(int i=0;i<3;i++)

        {

                System.out.println("Enter Name: ");

                name =  sc.nextLine();

                System.out.println("Enter Password: ");

                String pass =  sc.nextLine();

                if(!name.isEmpty()  &&  !pass.isEmpty())

                {

                        flag =1;

                        break;

                }


        }

        if (flag==1)

        {

                System.out.println("Welcome, "+name);

        }else

        {

                System.out.println("Contact Admin for verification");

        }


    }


}


7.
```

```java
import java.util.Scanner;


public class hello {


    public static void main(String[] args) {

        // TODO Auto-generated method stub

        Scanner sc = new Scanner(System.in);

        int n = sc.nextInt();


        int arr[]= new int[n];

        for(int i=0;i<n;i++)

        {

            arr[i]= sc.nextInt();

        }


        int search =sc.nextInt();

        int flag =0;

        for(int i=0;i<n;i++)

        {

            if(arr[i]==search)

            {

                System.out.print("Yes "+search +" is present in the
array" );

                flag =1;

            }

        }
```

```java
            if(flag == 0)

            {

                  System.out.print("Yes "+search +" is not present in the
array" );

            }

      }



}
```

8.

```java
import java.util.Scanner;



public class hello {




      public static void main(String[] args) {


            Scanner sc = new Scanner(System.in);

            int n = sc.nextInt();

            int arr[]= new int[n];

            for(int i=0;i<n;i++)

            {

                  arr[i]= sc.nextInt();

            }


            int c =1;
```

```java
        while(c<n)
        {
            for(int i=0;i<n-c;i++)
            {
                if(arr[i+1]<arr[i])
                {
                    int temp = arr[i+1];
                    arr[i+1]= arr[i];
                    arr[i]= temp;
                }
            }
            c++;
        }


        for(int i=0;i<n;i++)
        {
            System.out.print(arr[i]+" ");
        }



    }



}



9.
```

```java
import java.util.*;
{
public static void main (String ar [])
{
Scanner Sc=new Scanner (System.in);
int M1,M2,M3;
double avg=0.0;
System.out.println("Enter 3 sub marks");
M1=Sc.nextInt();
M2=Sc.nextInt();
M3=Sc.nextInt();
avg=(M1+M2+M3)/3
System.out.println(avg);
}
}
```