

1.Armstrong number program

```
import java.util.Scanner;

import java.lang.Math;

public class ArmstrongNumber {

    public static void main(String[] args) {

        int n,m,temp,sum=0;

        Scanner a=new Scanner(System.in);

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

        n=a.nextInt();

        temp=n;

        while(n>0)

        {

            m=n%10;

            sum=(int) (sum+Math.pow(m,3));

            n=n/10;

        }

        if(temp==sum)

        {

            System.out.println("it is armstrong number");

        }

        else

        {

            System.out.println("it is not armstrong number");

        }

    }

}
```

Output:

```
E
Window Help
*CabApp.java Ticket.java TicketDemo.java Employee.java EmployeeDemo.java ArmstrongNumber.java x
1*import java.util.Scanner;
3
4 public class ArmstrongNumber {
5
6     public static void main(String[] args) {
7         int n,m,temp,sum=0;
8         Scanner a=new Scanner(System.in);
9         System.out.println("Enter the number=");
10        n=a.nextInt();
11        temp=n;
12        while(n>0)
13        {
14            m=n%10;
15            sum=(int) (sum+Math.pow(m,3));
16            n=n/10;
17        }
18
19        if(temp==sum)
```

<terminated> ArmstrongNumber [Java Application] C:\Users\91800\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.1.v20211116-

Enter the number=
153
It is armstrong number

2. Even or odd program

```
import java.util.Scanner;

public class EvenOrOdd {

    public static void main(String[] args) {
        int n;
        System.out.println("Enter the number=");
        Scanner sc=new Scanner(System.in);
        n=sc.nextInt();
        if(n%2==0)
        {
            System.out.println("It is even" );
        }
    }
}
```

```

    }
    else
    {
        System.out.println( "It is odd" );
    }

}

}

```

3.Swapping of two number

```

import java.util.Scanner;

public class Swapping {

    public static void main(String[] args) {
        int a,b,temp;
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter a=");
        a=sc.nextInt();
        System.out.println("Enter b=");
        b=sc.nextInt();
        System.out.println("Before Swapping");
        System.out.println("a="+a);
        System.out.println("b="+b);
        temp=a;
        a=b;
        b=temp;
        System.out.println("After Swapping");
        System.out.println("a="+a);
        System.out.println("b="+b);
    }

}

```

4.Factorial

```

import java.util.Scanner;

public class Factorial {

    public static void main(String[] args) {

        int n,fact=1,i;

        Scanner f= new Scanner(System.in);

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

```

```

        n=f.nextInt();
        for(i=1;i<=n;i++)
        {
            fact=fact*i;
        }
        System.out.println("Factorial is "+fact);
    }
}

```

5.Fibonacci number

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

```
public class Fibonacci {
```

```

    public static void main(String[] args) {
        int n,t1=0,t2=1;
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter the value of n=");
        n=sc.nextInt();
        while(t1<=n)
        {
            System.out.print(t1+" ");
            int sum=t1+t2;
            t1=t2;
            t2=sum;
        }
    }
}

```

}