```
1) class helloworld {
     public static void main (String [] args) {
       System.out.println ("hello world");
     }
   }
```

output :
hello world !

```
2) class rectangleArea {
     public static void main  (String [] args) {
       int length, breadth;
       length = Integer.parseInt (args[0]);
       breadth = Integer.parseInt (args[1]);
       int area = length * breadth;
       System.out.print ("length = " + length);
       System.out.print ("breadth = " + breadth);
       System.out.print ("area of rectangle = " + area);
     }
   }
```

output
length = 10
Breadth = 5
Area = 50

```
3) Sum of digits
   class Sum of digits {
     public static void main (String[] args) {
       long number, sum;
       Scanner sc = new Scanner (System.in);
       System.out.print (" Enter a 5-digit number : n);
       number = sc.nextLong ();
       for (sum = 0; number != 0; number = number /10) {
         sum = sum + number % 10;
       }
       System.out.println (" Sum of digits " + sum);
     }
   }
```

output
Enter a 5-digit number !
12345
Sum of digits : 15

```
4) import java.util.*;

class factorial
{
    public static void main (String [] args)
    {
        int fac = 1;
        System.out.println ("Enter a number");
        Scanner S= new Scanner (System.in);
        int n = S.nextInt();
        for (int i=0; i<=n; i++)
        {
            fac = fac * i;
        }
        System.out.println ("The factorial is " + fac);
    }
}

o/p:
5
The factorial is 120
```

```
5) class Array
{
    public static void main (String [] args)
    {
        int month [] = { 31, 28, 31, 30, 31, 30, 31, 31, 30, 31, 30, 31 };
        System.out.println ("April has " + month-days [3] + "days.");
    }
}

o/p:
April has 30 days
```

```
6) import java.util.*;

class palindrome
{
    public static void main (String [] args)
    {
        int n, t, rev, REV=0;
        Scanner S= new Scanner (System.in);
        System.out.println ("enter a 5 digit number");
        n=S.nextInt();
        t=n;
        while (t>0)
        {
            num= t% 10
            rev = num * 10 + num;
            t = t /10;
        }
        if (rev ==n)
        {
            System.out.println (" it is a palindrome");
        }
        else
        {
            System.out.println (" It is not a palindrome");
        }
    }
}

output:
12321
it is a palindrome
```