```
//1.WAJP to generate factorial of each digit of the number entered by the user.
import java.util.*;
class DigitFactorialDoWhile
{
public static void main(String[] args)
  {
        Scanner sc=new Scanner(System.in);
        int m;
        do
        {

        System.out.println("Enter the number");
                int n=sc.nextInt();
                do
         {
                int digit=n%10;
           int f=1;
                int i=1;
                while(i<=digit)
                {
                        f=f*i;
                        i++;
                }
                System.out.println(f);
                n=n/10;
         }while(n>0);
             System.out.println("Press 1 to continue or any other number to stop");
             m=sc.nextInt();
    }while(m==1);
     System.out.println("Program Ends.");
  }
}
```

```
//2.WAJP to print sum of factorial of each digit of the number entered.
import java.util.*;
class DoWhileSumDigitFactorial
{
    public static void main(String[] args)
    {
                Scanner sc=new Scanner(System.in);
                int x;
          do
          {
                System.out.print("Enter the number:");
                int n=sc.nextInt();
                int sum=0;
        do
```

```
        {
                int digit=n%10;
                int f=1;
                int i=1;

           do
                {
                        f=f*i;
                        i++;
                }while(i<=digit);
                        //System.out.println(f);
                        sum=sum+f;
                        n=n/10;
        }while(n>0);
           System.out.println("Sum of factorial of the digit of the number is:
"+sum);
           System.out.print("Press 1 for continue or any other key to stop:");
           x=sc.nextInt();
    }while(x==1);
     System.out.println("Program Ends.");
  }
}
```