

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

class factorial
{
    public static void main(String[] args)
    {
        try
        {
            int n,fact=1,i;

            Scanner s= new Scanner(System.in);

            System.out.print(" Enter the number : ");

            n= s.nextInt();

            if(n<=0)
            {
                System.out.print("Enter only positive numbers");
            }
            else
            {
                for(i=1;i<=n;i++)
                {
                    fact=fact*i;
                }

                System.out.print("The factorial of "+n+" is "+fact);
            }
        }
        catch(Exception e)
        {
            System.out.print("Enter only numbers");
        }
    }
}
```

Output

```
java -cp /tmp/uPF9Y7zRH1 factorial
```

```
Enter the number : 6
```

```
The factorial of 6 is 720
```