

## PRACTICAL 7:

**AIM:** Package - Write a program to demonstrate packages. Create multiple packages, declare and call methods from same and different packages.

### Source code:

The below class is a part of package lab7.

```
package lab7;

public class factorial
{
    int n;
    public int fact(int n)
    {
        if(n<=1)
            return 1;
        else{
            return (n*fact(n-1));
        }
    }
}
```

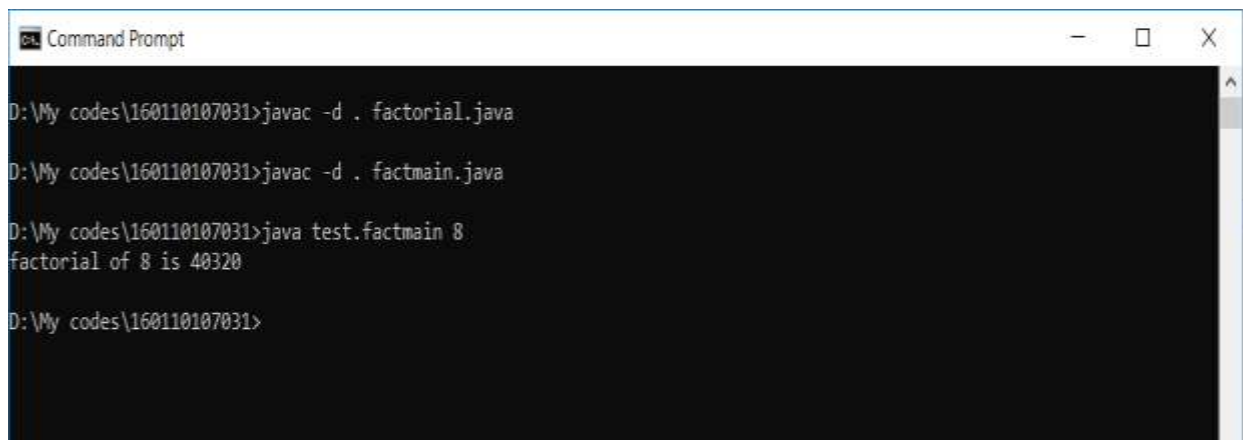
The below main class is a part of package test where the lab7 package is imported and accessed.

```
package test;
import lab7.*;
public class factmain
{
    public static void main(String a[])
    {
        int x=Integer.parseInt(a[0]);
        int ans;
```

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```
        factorial d1=new factorial();  
        ans=d1.fact(x);  
        System.out.println("factorial of "+x+" is " + ans);  
    }  
}
```

Output:



```
Command Prompt  
D:\My codes\160110107031>javac -d . factorial.java  
D:\My codes\160110107031>javac -d . factmain.java  
D:\My codes\160110107031>java test.factmain 8  
factorial of 8 is 40320  
D:\My codes\160110107031>
```