

Assignment # Polymorphism

- Program to calculate discount If customer purchase clothes on Offseason, set discount 15% and on Onseason 40%
 - Should use two classes, Onseason and Offseason
 - Use two methods- discount(method name should be same)

```
1 package polymorphism;
2
3 public class Onseason
4 {
5     public void discount()
6     {
7         int totalbill=15000;
8         double discount=totalbill*.4;
9         double actual=totalbill-discount;
10        System.out.println("***OnSeason Discount Details***");
11        System.out.println("Total Bill Amount ---"+totalbill);
12        System.out.println("Discount Amount ---"+ discount);
13        System.out.println("Amount to be paid ---"+actual);
14        System.out.println("-----");
15    }
16 }
17
```

```
1 package polymorphism;
2
3 public class Offseason extends Onseason
4 {
5     public void discount()
6     {
7         int totalbill=15000;
8         double discount=totalbill*.15;
9         double actual=totalbill-discount;
10        System.out.println("***OffSeason Discount Details***");
11        System.out.println("Total Bill Amount ---"+totalbill);
12        System.out.println("Discount Amount ---"+ discount);
13        System.out.println("Amount to be paid ---"+actual);
14        System.out.println("-----");
15    }
16    public static void main(String[] args)
17    {
18        Offseason obj1=new Offseason();
19        obj1.discount();
20        Onseason obj2=new Onseason();
21        obj2.discount();
22    }
23
24 }
25
```

Git Staging Console ×

<terminated> Offseason [Java Application] C:\Program Files\Java\jdk-21\bin\javaw.exe (18-Feb

OffSeason Discount Details

Total Bill Amount ---15000

Discount Amount ---2250.0

Amount to be paid ---12750.0

OnSeason Discount Details

Total Bill Amount ---15000

Discount Amount ---6000.0

Amount to be paid ---9000.0
