

# Lab3- Assignment

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- 1) classname : Bill, data member : billno - int, description - string , sales\_amount, discount, amt\_afterdiscount – double.

method:

readbill(): from the user read billno,description, sales\_amount calculatebill(): if

sales\_amount>50000, discount=10%, else discount=2%, then calculate

amt\_afterdiscount

showbill(): display all the datamember.

create 2 objects to implement for 2 bills

## Program

**package** com.wrapperclass.examples;

**import** java.util.Scanner;

```
public class Bill {  
    private int billno;  
    private String description;  
    private double  
sales_amount,discount,amt_afterdiscount;  
    public void readbill()  
    {  
        Scanner sc=new Scanner(System.in);  
        System.out.println("enter bill number");billno=sc.nextInt();  
        System.out.println("enter description");  
        description=sc.next(); System.out.println("enter sale  
amount");sales_amount=sc.nextDouble();  
    }  
    public void calculatebill()
```

```

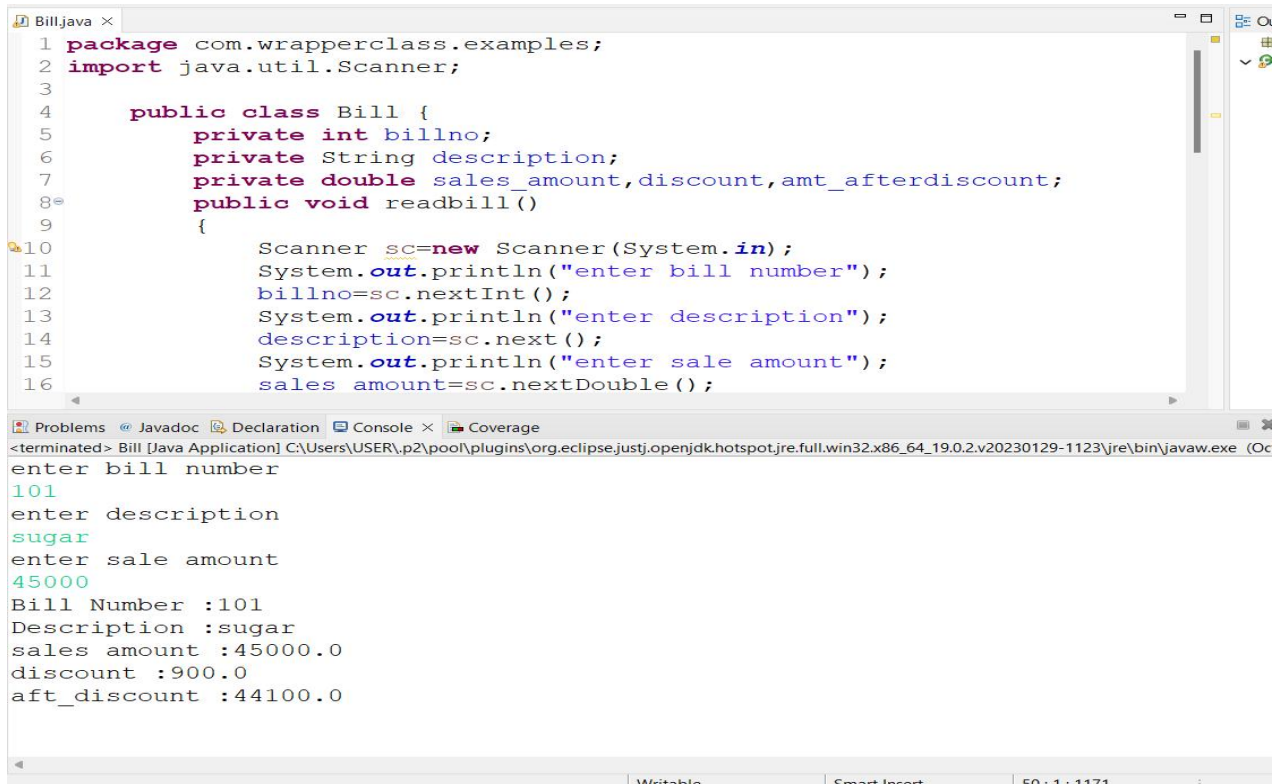
    {
        if(sales_amount>50000)
        {
            discount=0.10*sales_amount;
        }
        else
        {
            discount=0.02*sales_amount;
        }
        amt_afterdiscount=sales_amount-discount;
    }
    public void showBill()
    {
        System.out.println("Bill Number
:" + billno);
        System.out.println("Description
:" + description);
        System.out.println("sales amount
:" + sales_amount);
        System.out.println("discount :"+discount);
        System.out.println("aft_discount
:" + amt_afterdiscount);

    }
    public static void main(String[] args)
    {
        Bill bill=new Bill();
        bill.readbill(); bill.calculatebill();
        bill.showBill();
    }
}

```

## Output:

### 1 Object is sugar



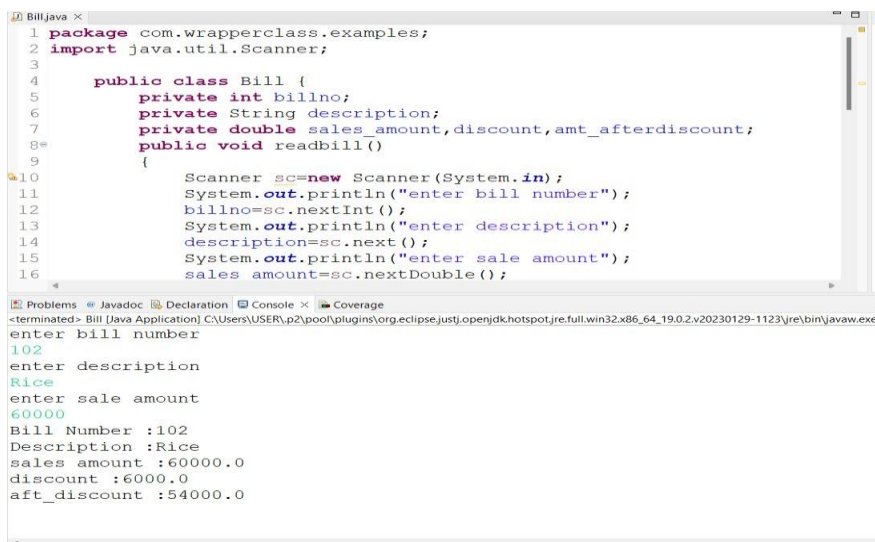
The screenshot shows an IDE window titled 'Bill.java' with the following code:

```
1 package com.wrapperclass.examples;
2 import java.util.Scanner;
3
4 public class Bill {
5     private int billno;
6     private String description;
7     private double sales_amount, discount, amt_afterdiscount;
8     public void readbill()
9     {
10         Scanner sc=new Scanner(System.in);
11         System.out.println("enter bill number");
12         billno=sc.nextInt();
13         System.out.println("enter description");
14         description=sc.next();
15         System.out.println("enter sale amount");
16         sales_amount=sc.nextDouble();
```

Below the code, the 'Console' tab shows the execution output:

```
<terminated> Bill [Java Application] C:\Users\USER\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_19.0.2.v20230129-1123\jre\bin\javaw.exe (Oc
enter bill number
101
enter description
sugar
enter sale amount
45000
Bill Number :101
Description :sugar
sales amount :45000.0
discount :900.0
aft_discount :44100.0
```

### 2<sup>nd</sup> Object is Rice



The screenshot shows the same IDE window with the same code as above. The 'Console' tab shows the execution output for the second object:

```
<terminated> Bill [Java Application] C:\Users\USER\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_19.0.2.v20230129-1123\jre\bin\javaw.exe
enter bill number
102
enter description
Rice
enter sale amount
60000
Bill Number :102
Description :Rice
sales amount :60000.0
discount :6000.0
aft_discount :54000.0
```