

Co3-7

```
import java.util.*;
```

```
interface Calculate
```

```
{  
    public int calculate(int NAmount);  
}
```

```
class Bill implements Calculate
```

```
{  
    int PID,Quantity,UPrice,Total;  
    String Name;  
    Bill(Scanner read,int i)  
    {  
        System.out.print("\nEnter the Product  
"+(1+i)+" Id: ");  
        PID=read.nextInt();  
        System.out.print("Enter the Product  
Name: ");  
        Name=read.next();  
    }  
}
```

```
System.out.print("Enter the quantity: ");
```

```
Quantity=read.nextInt();
```

```
System.out.print("Enter the Price of Product:  
");
```

```

UPrice=read.nextInt();

}

public int calculate(int NetAmount)

{

Total = Quantity*UPrice;

NetAmount+=Total;

return NetAmount;

    }

void DisplayBill(int OrderNo, int NetAmount,
Bill[] b)

{

System.out.println("\nOrder No. "+ OrderNo);

System.out.println("\nDate. "+
java.time.LocalDate.now());

System.out.print("\nProduct
Id\tName\tQuantity\tUnit price\t Total  \n");

```

```
System.out.println("_____  
_____  
_____\n");
```

```
for(int i=0;i<b.length;i++)
```

```
{
```

```
System.out.println(b[i].PID+"\t\t"+b[i].Name+"  
\t "+b[i].Quantity+"\t\t "+b[i].UPrice+"\t\t  
"+b[i].Total);
```

```
}
```

```
System.out.println("_____  
_____  
_____\n");
```

```
System.out.println("\t\t\t\t\tNet. Amount :  
"+ NetAmount);
```

```

    }

}

public class ProductBill
{
    public static void main(String[] arg)
    {
        Scanner read = new Scanner(System.in);
        int NetAmount=0,OrderNo,PNum;
        System.out.print("\nEnter the Order No: ");
        OrderNo = read.nextInt();

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

        PNum=read.nextInt();
        Bill[] b=new Bill[PNum];
        for(int i=0; i<PNum;i++)
        {

            b[i]= new Bill(read,i);

            NetAmount = b[i].calculate(NetAmount);

        }

        b[0].DisplayBill(OrderNo,NetAmount,b);

    }

}

```

Output:-

Enter the Order No : 100

Enter the Number of Products : 2

Enter the Product 1 Id : 01

Enter the Product Name : soap

Enter the quantity : 3

Enter Price of Product : 35

Enter the Product 2 Id : 02

Enter the Product Name : paste

Enter the quantity : 3

Enter Price of Product : 45

Order No:100

Date. 2021-08-27

Product Id	Name	Quantity	Unit
Price	Total		
<hr/>			
01	soap	3	
35	105		
02	paste	3	
45	135		
<hr/>			
<hr/>			

Net.Amount : 240