

PROGRAM

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

```
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 : paste

Enter the quantity : 2

Enter Price of Product : 35

Enter the Product 2 Id : 02

Enter the Product Name : brush

Enter the quantity : 3

Enter Price of Product : 25

Order No:100

Date. 2021-08-25

Product Id	Name	Quantity	Unit Price	Total
<hr/>				
01	paste	2	35	70
02	brush	3	25	75
<hr/>				
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Net.Amount : 145