

SHOP BILL: -

```
package com.java8.colg.exp_9_10_main;
```

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

```
import java.text.*;
```

```
class Product{
```

```
public long ID;
```

```
public String prod_name;
```

```
public int prod_quant;
```

public float rate;

```
public float tot_qty;
```

```
    public Product(long iD2, String prod_name2, int prod_quant2, float rate2,
float tot_qty2) {
```

```
ID = iD2;
```

```
prod_name = prod_name2;
```

```
prod_quant = prod_quant2;
```

```
rate = rate2;
```

```
tot_qty = tot_qty2;
```

```
// TODO Auto-generated constructor stub
```

}

```
void displayhead() {
```

[illegible]

```
System.out.println("\t\t\t\t\t\t\t\t\t\t SHANTI NAGAR");
```

```
System.out.println("ID\t\t\t|\t\t\tName\t\t\t|\t\t\tQty.\t\t\t|\t\t\tRate\t\t\t|\t\t\tTot.Amount");
```



```
do {  
    ID=ID + 1;  
    System.out.println("ID: "+ID);  
    System.out.println("Enter product name");  
    prod_name=sc.next();  
    System.out.println("Enter product quantity");  
    prod_quant=sc.nextInt();  
    System.out.println("Enter rate");  
    rate = sc.nextFloat();  
  
    tot_qty=rate * prod_quant;  
  
    p1.add(new Product(ID,prod_name,prod_quant,rate,tot_qty));  
    final_am+=tot_qty;  
  
    System.out.println("Do you want to add new product? y or n");  
    ch = sc.next().charAt(0);  
  
}  
while(ch=='y');
```

```
SimpleDateFormat formatter = new SimpleDateFormat("dd/MM/yyyy  
HH:mm:ss");
```

```
Date date = new Date();
```

```
System.out.println("Date: "+formatter.format(date));

p.displayhead();
for(Product pr : p1) {
    pr.displayProduct();
}

System.out.println("-----");
-----");

System.out.println("\nFinal(Without Tax):"+final_am);

double final_amount = (final_am * 0.15) + final_am;

System.out.println("\nFinal(With 15% Tax):"+final_amount);
sc.close();
}
}
```

OUTPUT:

```
ID: 1
Enter product name
Tomato
Enter product quantity
6
Enter rate
10
Do you want to add new product? y or n
y
ID: 2
Enter product name
Potato
Enter product quantity
8
Enter rate
12
Do you want to add new product? y or n
y
ID: 3
Enter product name
Cabbage
Enter product quantity
2
Enter rate
19
Do you want to add new product? y or n
n
Date: 13/10/2022 01:05:42
```

GANAVA MADI GROCERY SHANTI NAGAR				
ID	Name	Qty.	Rate	Tot.Amount
1	Tomato	6	10.0	60.0
2	Potato	8	12.0	96.0
3	Cabbage	2	19.0	38.0

Final(Without Tax):194.0

Final(With 15% Tax):223.1