```java
import java.io.*;
class Bakery
{
    static String name;static char gender;static String dob;
    static String occu;static char martial;static double weight=0.0;static int item=0;static
    double totalcost=0.0;
    static int noofitems=0;static int option=0;
    static String hh="";
    static char c='y';
    static char trial='y';
    static int n;
    static int i=0;
    static double cost=0.0;static char tt='n';

    public static void clearScreen()
    {
        System.out.print("\033[H\033[2J");
        System.out.flush();
        System.out.println();
    }

    void details() throws IOException
    {
        clearScreen();
        InputStreamReader ir=new InputStreamReader(System.in);
        BufferedReader br=new BufferedReader(ir);
        tt='n';
        System.out.println("\n\nEnter your details below\n\n");
        while(tt=='n' || tt=='N')
        {
        System.out.print("Enter your name                 :    ");
        name=br.readLine();
        System.out.print("Enter your Gender               :    ");
        gender=(br.readLine()).charAt(0);
          if(!(gender=='m' || gender=='M' || gender=='f' || gender=='F'))
          {System.out.println("\n\nInvalid Gender. Enter your details again.\n\n");
              continue;
          }
          tt='y';
        }
        System.out.print("Enter your Date of Birth        :    ");
        dob=br.readLine();
        System.out.print("Enter your Occupation           :    ");
        occu=br.readLine();
        System.out.print("Enter your Martial Status       :    ");
        martial=(br.readLine()).charAt(0);

    }
    void fooditems()
    {
        clearScreen();
        System.out.println("

_____");
        System.out.println("|          FOOD ITEM              |        COST in Rs.      |
OPTION        |\n");
        System.out.println("|        Pineapple Cake           |          400/kg         |
1           |");
        System.out.println("|        Vanilla Cake             |          500/kg         |
2           |");
        System.out.println("|        Cream Cake               |          550/kg         |
3           |");
        System.out.println("|        Chocolate Cake           |          600/kg         |
4           |");
        System.out.println("|        Strawberry Cake          |          600/kg         |
5           |");
        System.out.println("|        Black forest Cake        |          575/kg         |
```

```java
		System.out.println("|        Plum Cake                  |        605/kg        |");
		System.out.println("|        Egg Puff                   |        25/item       |");
		System.out.println("|        Veg Puff                   |        25/item       |");
		System.out.println("|        Chicken Puff               |        30/item       |");
		System.out.println("|        Pineapple Pastry           |        30/item       |");
		System.out.println("|        Vanilla Pastry             |        40/item       |");
		System.out.println("|        Cream Pastry               |        50/item       |");
		System.out.println("|        Chocolate Pastry           |        50/item       |");
		System.out.println("|        Strawberry Pastry          |        45/item       |");
		System.out.println("|        Black forest Pastry        |        60/item       |");
		System.out.println("|        Plum Pastry                |        60/item       |");
		System.out.println("|        Samosa                     |        25/item       |");
		System.out.println("|        Chicken Roll               |        35/item       |");
		System.out.println("|        Veg Roll                   |        30/item       |");
		System.out.println("|        Bread                      |        25/pack       |");
		System.out.println("|        Toffees                    |        30/pack       |");
		System.out.println("|        Donut                      |        75/pack       |");
		System.out.println("|        Bakery flour               |        80/pack       |");
		System.out.println("|        Wheat Rusk                 |        40/pack       |");
		System.out.println("|        Pineapple Cupcake          |        40/item       |");
		System.out.println("|        Vanilla Cupcake            |        50/item       |");
		System.out.println("|        Cream Cupcake              |        55/item       |");
		System.out.println("|        Chocolate Cupcake          |        60/item       |");
		System.out.println("|        Strawberry Cupcake         |        60/item       |");
		System.out.println("|        Black forest Cupcake       |        55/item       |");
		System.out.println("|        Plum Cupcake               |        60/item       |");
		System.out.println("
		_____");
		System.out.println("\n\n");
		System.out.println("Press any option between 1 to 32 if you want to buy
		anything.\nPress 0 if you don't want to buy anything.\n");

	}
	void input() throws IOException
	{
		InputStreamReader ir=new InputStreamReader(System.in);
		BufferedReader br=new BufferedReader(ir);
		clearScreen();
		Bakery u=new Bakery();
```

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

System.out.print("Enter the no of food items    :   ");
noofitems=Integer.valueOf(br.readLine());
System.out.println("\n\n");

for(i=1;i<=noofitems;i++)
{
    n=1;


    while(n==1)
    {


    clearScreen();
    u.fooditems();
    System.out.println("\n\n");
    System.out.print("Enter the option of the food item "+i+" :   ");
    option=Integer.valueOf(br.readLine());
    if(option>=0 && option<=32)
    {
        n=0;
    }
    else
    {n=1;}
    System.out.println("\n\n");

    switch(option)
    {
        case 1:
        System.out.print("Enter the weight         :   ");
        weight=Double.valueOf(br.readLine());
        totalcost+=(400.0*weight);
        break;
        case 2:
        System.out.print("Enter the weight         :   ");
        weight=Double.valueOf(br.readLine());
        totalcost+=(500.0*weight);break;
        case 3:
        System.out.print("Enter the weight         :   ");
        weight=Double.valueOf(br.readLine());
        totalcost+=(550.0*weight);break;
        case 4:
        System.out.print("Enter the weight         :   ");
        weight=Double.valueOf(br.readLine());
        totalcost+=(600.0*weight);break;
        case 5:
        System.out.print("Enter the weight         :   ");
        weight=Double.valueOf(br.readLine());
        totalcost+=(600.0*weight);break;
        case 6:
        System.out.print("Enter the weight         :   ");
        weight=Double.valueOf(br.readLine());
        totalcost+=(575.0*weight);break;
        case 7:
        System.out.print("Enter the weight         :   ");
        weight=Double.valueOf(br.readLine());
        totalcost+=(605.0*weight);
        break;
        case 8:
        System.out.print("Enter the no of items    :   ");
        noofitems=Integer.valueOf(br.readLine());
        totalcost+=(25.0*(double)(noofitems));break;
        case 9:
```

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        System.out.print("Enter the no of items    :    ");
        noofitems=Integer.valueOf(br.readLine());
        totalcost+=(25.0*(double)(noofitems));break;
    case 10:
        System.out.print("Enter the no of items    :    ");
        noofitems=Integer.valueOf(br.readLine());
        totalcost+=(30.0*(double)(noofitems));break;
    case 11:
        System.out.print("Enter the no of items    :    ");
        noofitems=Integer.valueOf(br.readLine());
        totalcost+=(30.0*(double)(noofitems));break;
    case 12:
        System.out.print("Enter the no of items    :    ");
        noofitems=Integer.valueOf(br.readLine());
        totalcost+=(40.0*(double)(noofitems));break;
    case 13:
        System.out.print("Enter the no of items    :    ");
        noofitems=Integer.valueOf(br.readLine());
        totalcost+=(50.0*(double)(noofitems));break;
    case 14:
        System.out.print("Enter the no of items    :    ");
        noofitems=Integer.valueOf(br.readLine());
        totalcost+=(50.0*(double)(noofitems));break;
    case 15:
        System.out.print("Enter the no of items    :    ");
        noofitems=Integer.valueOf(br.readLine());
        totalcost+=(45.0*(double)(noofitems));break;
    case 16:
        System.out.print("Enter the no of items    :    ");
        noofitems=Integer.valueOf(br.readLine());
        totalcost+=(60.0*(double)(noofitems));break;
    case 17:
        System.out.print("Enter the no of items    :    ");
        noofitems=Integer.valueOf(br.readLine());
        totalcost+=(60.0*(double)(noofitems));break;
    case 18:
        System.out.print("Enter the no of items    :    ");
        noofitems=Integer.valueOf(br.readLine());
        totalcost+=(25.0*(double)(noofitems));break;
    case 19:
        System.out.print("Enter the no of items    :    ");
        noofitems=Integer.valueOf(br.readLine());
        totalcost+=(35.0*(double)(noofitems));break;
    case 20:
        System.out.print("Enter the no of items    :    ");
        noofitems=Integer.valueOf(br.readLine());
        totalcost+=(30.0*(double)(noofitems));break;
    case 21:
        System.out.print("Enter the no of items    :    ");
        noofitems=Integer.valueOf(br.readLine());
        totalcost+=(25.0*(double)(noofitems));break;
    case 22:
        System.out.print("Enter the no of items    :    ");
        noofitems=Integer.valueOf(br.readLine());
        totalcost+=(30.0*(double)(noofitems));break;
    case 23:
        System.out.print("Enter the no of items    :    ");
        noofitems=Integer.valueOf(br.readLine());
        totalcost+=(75.0*(double)(noofitems));break;
    case 24:
        System.out.print("Enter the no of items    :    ");
        noofitems=Integer.valueOf(br.readLine());
        totalcost+=(80.0*(double)(noofitems));
        break;
    case 25:
        System.out.print("Enter the no of items    :    ");
```

```java
                noofitems=Integer.valueOf(br.readLine());
                totalcost+=(40.0*(double)(noofitems));break;
                case 26:
                System.out.print("Enter the no of items     :    ");
                noofitems=Integer.valueOf(br.readLine());
                totalcost+=(40.0*(double)(noofitems));break;
                case 27:
                System.out.print("Enter the no of items     :    ");
                noofitems=Integer.valueOf(br.readLine());
                totalcost+=(50.0*(double)(noofitems));break;
                case 28:
                System.out.print("Enter the no of items     :    ");
                noofitems=Integer.valueOf(br.readLine());
                totalcost+=(55.0*(double)(noofitems));break;
                case 29:
                System.out.print("Enter the no of items     :    ");
                noofitems=Integer.valueOf(br.readLine());
                totalcost+=(60.0*(double)(noofitems));break;
                case 30:
                System.out.print("Enter the no of items     :    ");
                noofitems=Integer.valueOf(br.readLine());
                totalcost+=(60.0*(double)(noofitems));break;
                case 31:
                System.out.print("Enter the no of items     :    ");
                noofitems=Integer.valueOf(br.readLine());
                totalcost+=(55.0*(double)(noofitems));break;
                case 32:
                System.out.print("Enter the no of items     :    ");
                noofitems=Integer.valueOf(br.readLine());
                totalcost+=(60.0*(double)(noofitems));break;
                case 0:
                System.out.println("Since you have pressed 0, you don't have to buy
                anything. Press Enter to go ahead.");
                hh=br.readLine();
                totalcost+=0.0;
                break;
                default: break;

            }
            if(option>32)
            {
                System.out.println("\n\nWrong Choice!!\nPress Enter to repeat.\n\n");
                hh=br.readLine();
                n=1;
                totalcost+=0.0;
            }
        }
    }

}

void emulate() throws IOException
{
    InputStreamReader ir=new InputStreamReader(System.in);
    BufferedReader br=new BufferedReader(ir);
    totalcost=0;
    Bakery p=new Bakery();
    c='y';
    while(c=='y' || c=='Y')
    {

        p.input();
        System.out.println("");
        System.out.println("Do you want to continue (y/n) or (Y/N)?");
```

```java
            c=(br.readLine()).charAt(0);
            System.out.println("\n\n");
        }
        System.out.println("\n\n");
    }

    void display() throws IOException
    {
        clearScreen();
        System.out.println("\n\n");
        System.out.println("PAY BILL OF THE PERSON");
        System.out.println("");
            System.out.println("_____");
            System.out.println("Name of the person                 :    "+name);



        if(gender=='m' || gender=='M')
        {
            System.out.println("His Date of Birth                  :    "+dob);
            System.out.println("His Occupation                     :    "+occu);
            if(martial=='m' || martial=='M')
            {
                System.out.println("His Martial Status            :    Married");
            }
            else
            {
                System.out.println("His Martial Status            :    Unmarried");
            }
            System.out.println("\n");
            System.out.println("Total money that he should give       :    "+totalcost);

        }
        else if (gender=='f' || gender=='F')
        {

            System.out.println("Her Date of Birth                  :    "+dob);
            System.out.println("Her Occupation                     :    "+occu);
            if(martial=='m' || martial=='M')
            {
                System.out.println("Her Martial Status            :    Married");
            }
            else
            {
                System.out.println("Her Martial Status            :    Unmarried");
            }
            System.out.println("\n");
            System.out.println("Total money that she should give       :    "+totalcost);
        }
        System.out.println("_____");
        System.out.println("\n\n");


    }

    public static void main(String args[]) throws IOException
    {
        InputStreamReader ir=new InputStreamReader(System.in);
        BufferedReader br=new BufferedReader(ir);
        Bakery bk=new Bakery();
        trial='y';
        while(trial=='y' || trial=='Y')
        {
            totalcost=0.0;
            bk.details();
            bk.emulate();
```

```java
            bk.display();
            System.out.println("\n\n");
            System.out.println("Do you want to continue the shop (y/n) or (Y/N)?");
            trial=(br.readLine()).charAt(0);
            System.out.println("\n\n");
        }
        clearScreen();
        System.out.println("\n");
        System.out.println("THE END!!");
        System.out.println("\n\n");
    }
}
```