

Assigement PizzaFactory

```
import java.io.*;

import java.util.Scanner;

class PizzaFactory
{
    BufferedReader br=new BufferedReader (new InputStreamReader(System.in));

    Scanner sc = new Scanner(System.in);

    int BALANCE = 0;int flag;int ac=0,rt=0;

    void begin()throws IOException
    {
        System.out.println("WELCOME TO PIZZA HUT! ");

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

        System.out.println(" Hello! Customer");

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

        System.out.println("What type of pizza you want to order?");

        System.out.println("The Menu is");

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

        System.out.println("1) pizza");

        System.out.println("2) Sides");


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

        System.out.println("TYPE THE SERIAL NUMBER TO GIVE YOUR ORDER! ");

        int order= sc.nextInt();

        switch (order)
```

```

        {
            case 1: System.out.println("you choosed pizza");
                    pizza();
                    break;
            case 2: System.out.println("you choosed Sides");
                    Sides();
                    break;
            default : System.out.println("Wrong Entry");
        }
        System.out.println("_____");
    }

```

void pizza()throws IOException

```

{
    char c;

    int vpiz[] = {0,150,200,325,175,375,475,160,290,340};

    int npviz[] = {0,190,325,425,210,370,500,220,380,525};

    System.out.println("1) veg?");
    System.out.println("2) non-veg?");
    int nv=sc.nextInt();
    switch (nv)
    {
        case 1:

```

```
System.out.println(" ***** THE MENU ***** ");
```

```
System.out.println(" VEG PIZZA ");
```

```
System.out.println(" PRICE ");
```

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

```
System.out.println("1.Deluxe Veggie: (Regular: Rs. 150 )");
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System.out.println("2.Deluxe Veggie: (Medium: Rs. 200 )");
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System.out.println("3.Deluxe Veggie: (Large: Rs. 325)");
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System.out.println("4.Cheese and corn: (Regular: Rs. 175 )");
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System.out.println("5.Cheese and corn: (Medium: Rs. 375 )");
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System.out.println("6.Cheese and corn: (Large: Rs. 475 )");
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```
System.out.println("7.Paneer Tikka: (Regular: Rs. 160 )");
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System.out.println("8.Paneer Tikka: (Medium: Rs. 290 )");
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```
System.out.println("9.Paneer Tikka: (Large: Rs. 340)");
```

```
System.out.println(" ***** THE END ***** ");
```

```
System.out.println("TYPE THE SERIAL NUMBER TO GIVE YOUR  
ORDER! ");
```

```
int choice1 = Integer.parseInt(br.readLine());
```

```
System.out.println("How many do you want?");
```

```
int h=Integer.parseInt(br.readLine());
```

```
crust();
```

```
Toppingsv();  
for(int i=0;i<10;i++)  
{  
    if(choice1==i)  
    {  
        System.out.println("RS." + vpiz[i]*h);  
        BALANCE += vpiz[i]*h;  
        flag+=1;  
    }  
}  
break;
```

case 2:

```
System.out.println(" ***** THE MENU ***** ");  
System.out.println(" NON-VEG ");  
System.out.println(" PRICE ");  
System.out.println(" _____ ");  
  
System.out.println("1.Non-Veg Supreme: (Regular: Rs 190)");  
System.out.println("2.Non-Veg Supreme: (Medium: Rs 325)");  
System.out.println("3.Non-Veg Supreme: (Large: Rs 425)");  
  
System.out.println("4.Chicken Tikka: (Regular: Rs 210 )");  
System.out.println("5.Chicken Tikka: (Medium: Rs 370)");  
System.out.println("6.Chicken Tikka: (Large: Rs 500)");
```

```

220)");

System.out.println("7.Pepper Barbecue Chicken (Regular: Rs

380)");

System.out.println("8.Pepper Barbecue Chicken (Medium: Rs

System.out.println("9.Pepper Barbecue Chicken (Large: Rs 525)");

System.out.println(" ***** THE END ***** ");

System.out.println("TYPE THE SERIAL NUMBER TO GIVE YOUR

ORDER");

int choice2 = Integer.parseInt(br.readLine());

System.out.println("How many do you want?");

int m=Integer.parseInt(br.readLine());

crust();

Toppingsnv();

for(int j=0;j<10;j++)

{

    if(choice2==j)

    {

        System.out.println("RS." + nvpiz[j]*m);

        BALANCE += nvpiz[j]*m;

        flag+=1;

    }

}

break;

```

```

        default :

    }

}

void crust()throws IOException

{

    System.out.println(" *****You got free crust on pizza*****");

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

    System.out.println(" 1.New hand tossed");

    System.out.println(" 2.Wheat thin crust");

    System.out.println(" 3.Cheese Burst");

    System.out.println(" 4.Fresh pan pizza" );

    System.out.println(" *****THE END***** ");


    System.out.println(" TYPE THE SERIAL NUMBER TO GIVE YOUR ORDER!!!");

    int choice3 = Integer.parseInt(br.readLine());

    show();

}

void Toppingsv()throws IOException

{

    int vpiz[] = {0,20,25,35,30,10};


    System.out.println(" ***** THE MENU ***** ");

    System.out.println(" VEG Toppings ");

    System.out.println(" _____ ");

```

```

        System.out.println("1.Black olive (Rs 20)");
        System.out.println("2.Capsicum (Rs 25)");
        System.out.println("3.Paneer (Rs 35)");
        System.out.println("4.Mushroom (Rs 30)");
        System.out.println("5.Fresh tomato (Rs 10)");

        System.out.println(" ***** THE END ***** ");

        System.out.println("TYPE THE SERIAL NUMBER TO GIVE YOUR
ORDER! ");

        int choice1 = Integer.parseInt(br.readLine());
        System.out.println("How many do you want?");
        int h=Integer.parseInt(br.readLine());
        for(int i=0;i<6;i++)
        {
            if(choice1==i)
            {
                System.out.println("RS." + vpiz[i]*h);
                BALANCE += vpiz[i]*h;
                flag+=1;
            }
        }

        show();
    }

```

```

void Toppingsnv()throws IOException
{
    int nvpiz[]={0,35,45,40};

    System.out.println(" ***** THE MENU ***** ");
    System.out.println(" NON-VEG ");
    System.out.println(" _____ ");

    System.out.println("1.Chicken tikka (Rs 35)");
    System.out.println("2.Barbeque chicken (Rs 45)");
    System.out.println("3.Grilled chicken (Rs 40)");

    System.out.println(" ***** THE END ***** ");
    System.out.println("TYPE THE SERIAL NUMBER TO GIVE YOUR
ORDER");

    int choice2 = Integer.parseInt(br.readLine());
    for(int j=0;j<4;j++)
    {
        if(choice2==j)
        {
            System.out.println("RS." + nvpiz[j]);
            BALANCE += nvpiz[j];
            flag+=1;
        }
    }
}

```



```

        }

        show();
    }

    void Sides()throws IOException
    {

        int des[]={0,55,90};

        System.out.println(" *****THE MENU***** ");

        System.out.println(" Sides ");

        System.out.println(" 1. Cold drink (Rs 55) ");

        System.out.println(" 2. Mousse cake (Rs. 90) ");

        System.out.println(" *****THE END***** ");

        System.out.println(" TYPE THE SERIAL NUMBER TO GIVE YOUR ORDER!!");

        int choice5 = Integer.parseInt(br.readLine());

        System.out.println(" How many do you want?");

        int h=Integer.parseInt(br.readLine());

        for(int i=0;i<3;i++)
        {

            if(choice5==i)
            {

                System.out.println("RS." + des[i]*h);

                BALANCE+= des[i]*h;

                flag+=1;

            }

        }

    }

```

```

        show();
    }

    void show()
    {
        System.out.println("you need to pay rs." + BALANCE );
    }

    void bill()
    {
        System.out.println(" |-----|");
        System.out.println(" | PIZZA HUT |");
        System.out.println(" | ITEMS BYED |");
        System.out.println(" | " + flag + " |");
        System.out.println(" | TOTAL MONEY "+ BALANCE + " |");
        System.out.println(" | ***** |");
        System.out.println(" | PAYMENT SUMMARY(RS) |");
        System.out.println(" | amount need to be paid "+ BALANCE+ " |");
        System.out.println(" | ***** |");
        System.out.println(" | items sold cannot be refunded |");
        System.out.println(" | THANK YOU!!! |");
        System.out.println(" | VISIT AGAIN!! |");
        System.out.println(" | ***** |");
        System.out.println(" | BYE!! |");
        System.out.println(" |-----|");
    }

```

```

    }

    public static void main(String args[])throws IOException

    {

        PizzaFactory obj = new PizzaFactory ();

        obj.begin();

        obj.bill();

    }

}

```

Output

WELCOME TO PIZZA HUT!

Hello! Customer

What type of pizza you want to order?

The Menu is

1) pizza

2) Sides

TYPE THE SERIAL NUMBER TO GIVE YOUR ORDER!

1

you choosed pizza

1) veg?

2) non-veg?

2

***** THE MENU *****

NON-VEG

PRICE

1.Non-Veg Supreme: (Regular: Rs 190)

2.Non-Veg Supreme: (Medium: Rs 325)

3.Non-Veg Supreme: (Large: Rs 425)

4.Chicken Tikka: (Regular: Rs 210)

5.Chicken Tikka: (Medium: Rs 370)

6.Chicken Tikka: (Large: Rs 500)

7.Pepper Barbecue Chicken (Regular: Rs 220)

8.Pepper Barbecue Chicken (Medium: Rs 380)

9.Pepper Barbecue Chicken (Large: Rs 525)

***** THE END *****

TYPE THE SERIAL NUMBER TO GIVE YOUR ORDER

4

How many do you want?

5

*****You got free crust on pizza*****

1.New hand tossed

2.Wheat thin crust

3.Cheese Burst

4.Fresh pan pizza

*****THE END*****

TYPE THE SERIAL NUMBER TO GIVE YOUR ORDER!!!

1

you need to pay rs.0

***** THE MENU *****

NON-VEG

1.Chicken tikka (Rs 35)

2.Barbeque chicken (Rs 45)

3.Grilled chicken (Rs 40)

***** THE END *****

TYPE THE SERIAL NUMBER TO GIVE YOUR ORDER

3

RS.40

you need to pay rs.40

RS.1050

|-----|

| PIZZA HUT |

| ITEMS BYED |

| 2 |

| TOTAL MONEY 1090 |

| ***** |

| PAYMENT SUMMARY(RS) |

| amount need to be paid 1090 |

| ***** |

| items sold cannot be refunded |

| THANK YOU!!! |

| VISIT AGAIN!! |

| ***** |

| BYE!! |

| ----- |