MANIPAL UNIVERSITY
JAIPUR

CS2131

OBJECT ORIENTED PROGRAMMING LAB -JAVA

PROJECT

ON

PIZZA EXPRESS

Name: Snehal Sinha

Registration No.:219301414

Branch: B. Tech - CSE

Section: G

PREFACE

This project is based on a Hotel Management System which shows user, menu with has various option which are further more categorized with prices shown. It also has a delivery, takeout and dine-in alternatives.

User can select multiple choices and then there is a tariff which generates the bill accordingly and the output is displayed.

This code contains:

Two packages (P1, P2), Three files, one interface(deliveryinterface), Three classes (pizza_outlet, delivery, MainClass), multiple method (for each category and bill).

Object Oriented Programming concepts are included such as interface, package, inheritance, objects, methods, error handling (try and catch), etc.

Code:

//first file

```
package p2;
import p1.pizza_outlet;
import java.util.*;
interface deliveryinterface
{
	public void getdata();
	public void getbill();
}
public class delivery implements deliveryinterface //interface class
{
	public void getdata()
	{
		Scanner in = new Scanner(System.in);
		System.out.println("Enter name:");
		System.out.println("Enter Phone number:");
		System.out.println("Enter Address:");
		String name=in.next();
		int phno=in.nextInt();
		String add=in.nextLine();
	}
	public void getbill()
	{
		pizza_outlet ob=new pizza_outlet();
		ob.menu();
		System.out.println("Delivery charge= 50 Rupees");
		System.out.println("THANK YOU FOR USING OUR SOFTWARE");
```

```
        }
}
```

//second file

```
package p1;

import java.util.Scanner;


public class pizza_outlet

{

Scanner sc=new Scanner(System.in);

 String vs[]={" Veg Manchow Soup", "Veg Hot and Sour Soup" , "Tomato Soup"};

    String nvs[]={"Non-Veg Manchow Soup" , "Non-Veg Hot and Sour Soup"};

    String gb[]={"G'arlic Bread without cheese" , "  Garlic Bread with cheese "};

    String vp[]={"Veg Tangy Pasta" , " Veg Cheesy Pasta" , "Veg Creamy Garlic Pasta  "};

    String nvp[]={"Non-Veg Tangy Pasta" ,"Non-Veg Cheesy Pasta" ,"Non-Veg Creamy Garlic
Pasta"};

    String vpi[]={"Veg Farmhouse" , "Veggie Paradise" , "Veg Extravaganza"};

    String nvpi[]={"Non-Veg Loaded" , "Chicken Dominator" , "Non-Veg Supreme"};

    String sd[]={"Coke" , "Sprite" , "Fanta"};

    String de[]={"Butterscotch" , "Choco Lava Cake" , "Fruit Punch"};

    double povs[]={200 , 240 , 240};

    double ponvs[]={250 , 270};

    double pogb[]={100 , 150 };

    double povp[]={150 , 200 , 250};

    double ponvp[]={250 , 300 , 350};

    double povpi[]={200 , 250 , 300};

    double ponvpi[]={300 , 350 , 400};

    double posd[]={50 , 30 , 20};

    double pode[]={100 , 150 , 200};

    String name="";

    String n;

    int i;
```

```
    int j;
    int ch;
    char choose;
    int cc=0;
    double quan[]=new double[50];
    double amt[]=new double[50];
    String n1[]=new String[50];
    int in=0;
public void menu()
    {
try
        {
System.out.println("\t\t==========Pizza Outlet==========");
System.out.println("Enter your choice according to the following:");
System.out.println("1.Soups");
System.out.println("2.Garlic Bread");
System.out.println("3.Pasta");
System.out.println("4.Veg Pizza");
System.out.println("5.Non-Veg Pizza");
System.out.println("6.Soft Drinks");
System.out.println("7.Desserts");
System.out.println("8.Exit");
ch=sc.nextInt();
try
        {
switch(ch)
        {
case 1:{
Soups();
break;
                }
```

```
case 2:{
GarlicBread();

            }
break;
case 3:{

Pasta();
            }

break;
case 4:{

VegPizza();
            }

break;
case 5:{
NonVegPizza();
            }

break;
case 6:{
SoftDrinks();
            }

break;
case 7:{

Desserts();
```

```
                }


break;


case 8:{
total();
                }
break;
default:{
System.out.println("You have entered a Wrong Choice");
System.out.println("Try Again");
menu();
                 }

   }
}

catch(Exception e)
{
while(true)
   {

sc.nextLine();
System.out.println("Invalid Choice");
menu();
continue;
   }
}
}
catch(Exception e)
```

```
            {
System.out.println("Invalid Choice");
System.out.println("Enter again:");
sc.nextLine();
//main();
            }
        }


public void Soups()
    {
System.out.println("You have selected 'Soups' option");
System.out.println("Enter your choice according to the following:");
System.out.println("1.Manchow Soup.....200/250");
System.out.println("2.Hot and Sour Soup.....240/270");
System.out.println("3.Tomato Soup.....240");
System.out.println("4.Main-Menu");
int a=sc.nextInt();
double quan1;
double amt1=0;
try
        {

if(a==1)
            {
System.out.println("Enter 1:Veg/2:Non-Veg");
int aa=sc.nextInt();
if(aa==1)
                {
System.out.println("Enter quantity:");
                    quan1=sc.nextDouble();
                    amt1=amt1+(povs[0]*quan1);
```

```
System.out.println("The amount= "+amt1);
n1[cc]=vs[0];
name=name.concat(n1[cc]);
quan[cc]=quan1;
amt[cc]=amt1;
cc++;
in++;
System.out.println("Do you wish to continue(y/n)?");
choose=sc.next().charAt(0);
if(choose=='y'  || choose== 'Y')
                {
menu();
                }
else if(choose=='n' || choose=='N')
                {
total();
                }
else
                {
System.out.println("Wrong Choice");
System.out.println("Try Again");
Soups();
                }
            }
else if(aa==2)
            {
System.out.println("Enter quantity:");
                quan1=sc.nextDouble();
                amt1=amt1+(ponvs[0]*quan1);
System.out.println("The amount= "+amt1);
n1[cc]=nvs[0];
name=name.concat(n1[cc]);
```

```
quan[cc]=quan1;
amt[cc]=amt1;
cc++;
in++;
System.out.println("Do you wish to continue(y/n)?");
choose=sc.next().charAt(0);
if(choose=='y'  || choose== 'Y')
                {
menu();
                }
else if(choose=='n' || choose=='N')
                {
total();
                }
else
                {
System.out.println("Wrong Choice");
System.out.println("Try Again");
Soups();
                }
            }
else
            {
System.out.println("Wrong Choice");
System.out.println("Try Again");
Soups();
            }
        }
else if(a==2)
        {
System.out.println("Enter 1:Veg/2:Non-Veg");
int ab=sc.nextInt();
```

```
if(ab==1)
            {
System.out.println("Enter quantity:");
                quan1=sc.nextDouble();
                amt1=amt1+(povs[1]*quan1);
System.out.println("The amount= "+amt1);
n1[cc]=vs[1];
name=name.concat(n1[cc]);
quan[cc]=quan1;
amt[cc]=amt1;
cc++;
in++;
System.out.println("Do you wish to continue(y/n)?");
choose=sc.next().charAt(0);
if(choose=='y'  || choose== 'Y')
                {
menu();
                }
else if(choose=='n' || choose=='N')
                {
total();
                }
else
                {
System.out.println("Wrong Choice");
System.out.println("Try Again");
Soups();
                }
            }
else if(ab==2)
            {
System.out.println("Enter quantity:");
```

```
                quan1=sc.nextDouble();
                amt1=amt1+(ponvs[1]*quan1);
System.out.println("The amount= "+amt1);
n1[cc]=nvs[1];
name=name.concat(n1[cc]);
quan[cc]=quan1;
amt[cc]=amt1;
cc++;
in++;
System.out.println("Do you wish to continue(y/n)?");
choose=sc.next().charAt(0);
if(choose=='y'  || choose== 'Y')
                {
menu();
                }
else if(choose=='n' || choose=='N')
                {
total();
                }
else
                {
System.out.println("Wrong Choice");
System.out.println("Try Again");
Soups();
                }
            }
else
            {
System.out.println("Wrong Choice");
System.out.println("Try Again");
Soups();
            }
```

```
        }
else if(a==3)
        {
System.out.println("Enter quantity:");
            quan1=sc.nextDouble();
            amt1=amt1+(povs[2]*quan1);
System.out.println("The amount= "+amt1);
n1[cc]=vs[2];
name=name.concat(n1[cc]);
quan[cc]=quan1;
amt[cc]=amt1;
cc++;
in++;
System.out.println("Do you wish to continue(y/n)?");
choose=sc.next().charAt(0);
if(choose=='y'  || choose== 'Y')
            {
menu();
            }
else if(choose=='n' || choose=='N')
            {
total();
            }
else
            {
System.out.println("Wrong Choice");
System.out.println("Try Again");
Soups();
            }
        }
else if(a==4)
        {
```

```
menu();
            }
else
            {
System.out.println("Wrong Again");
System.out.println("Try Again");
Soups();
            }
        }

catch(Exception e)
        {
sc.nextLine();
System.out.println("Wrong Choice");

    }
}



public void GarlicBread()
    {
System.out.println("You have selected 'Garlic Bread' option");
System.out.println("Enter your choice according to the following:");
System.out.println("1.Garlic Bread without cheese.....100");
System.out.println("2.Garlic Bread with cheese.....150");
System.out.println("3.Main-Menu");
int b=sc.nextInt();
double quan2;
double amt2=0;
try
        {
if(b==1)
```

```
        {
System.out.println("Enter quantity:");
            quan2=sc.nextDouble();
            amt2=amt2+(pogb[0]*quan2);
System.out.println("The amount= "+amt2);
n1[cc]=gb[0];
name=name.concat(n1[cc]);
quan[cc]=quan2;
amt[cc]=amt2;
cc++;
in++;
System.out.println("Do you wish to continue(y/n)?");
choose=sc.next().charAt(0);
if(choose=='y'  || choose== 'Y')
            {
menu();
            }
else if(choose=='n' || choose=='N')
            {
total();
            }
else
            {
System.out.println("Wrong Choice");
System.out.println("Try Again");
GarlicBread();
            }
        }
else if(b==2)
        {
System.out.println("Enter quantity:");
            quan2=sc.nextDouble();
```

```
                amt2=amt2+(pogb[1]*quan2);
System.out.println("The amount= "+amt2);
n1[cc]=gb[1];
name=name.concat(n1[cc]);
quan[cc]=quan2;
amt[cc]=amt2;
cc++;
in++;
System.out.println("Do you wish to continue(y/n)?");
choose=sc.next().charAt(0);
if(choose=='y'  || choose== 'Y')
                {
menu();
                }
else if(choose=='n' || choose=='N')
                {
total();
                }
else
                {
System.out.println("Wrong Choice");
System.out.println("Try Again");
GarlicBread();
                }
            }

else if(b==3)
            {
menu();
            }
else
            {
```

```
System.out.println("Wrong Choice");
System.out.println("Try Again");
GarlicBread();
            }
        }
catch(Exception e)
        {
System.out.println(e);
        }
    }
public void Pasta()
    {
System.out.println("You have selected 'Pasta' option");
System.out.println("Enter your choice according to the following:");
System.out.println("1.Tangy Pasta.....150/250");
System.out.println("2.Cheesy Pasta.....200/300");
System.out.println("3.Creamy Garlic Pasta.....250/350");
System.out.println("4.Main-Menu");
int c=sc.nextInt();
double quan3;
double amt3=0;
try
        {
if(c==1)
            {
System.out.println("Enter 1:Veg/2:Non-Veg");
int ca=sc.nextInt();
if(ca==1)
                {
System.out.println("Enter quantity");
                    quan3=sc.nextDouble();
                    amt3=amt3+(povp[0]*quan3);
```

```
System.out.println("The amount= "+amt3);
n1[cc]=vp[0];
name=name.concat(n1[cc]);
quan[cc]=quan3;
amt[cc]=amt3;
cc++;
in++;
System.out.println("Do you wish to continue(y/n)?");
choose=sc.next().charAt(0);
if(choose=='y'  || choose== 'Y')
                {
menu();
                }
else if(choose=='n' || choose=='N')
                {
total();
                }
else
                {
System.out.println("Wring Choice");
System.out.println("Try Again");
Pasta();
                }
              }
else if(ca==2)
              {
System.out.println("Enter quantity:");
                quan3=sc.nextDouble();
                amt3=amt3+(ponvp[0]*quan3);
System.out.println("The amount= "+amt3);
n1[cc]=nvp[0];
name=name.concat(n1[cc]);
```

```
quan[cc]=quan3;
amt[cc]=amt3;
cc++;
in++;
System.out.println("Do you wish to continue(y/n)?");
choose=sc.next().charAt(0);
if(choose=='y'  || choose== 'Y')
                {
menu();
                }
else if(choose=='n' || choose=='N')
                {
total();
                }
else
                {
System.out.println("Wrong Choice");
System.out.println("Try Again");
Pasta();
                }
            }
else
            {
System.out.println("Wrong Choice");
System.out.println("Try Again");
Pasta();
            }
        }
else if(c==2)
        {
System.out.println("Enter 1:Veg/2:Non-Veg");
int cb=sc.nextInt();
```

```
if(cb==1)
            {
System.out.println("Enter quantity:");
                quan3=sc.nextDouble();
                amt3=amt3+(povp[1]*quan3);
System.out.println("The amount= "+amt3);
n1[cc]=vp[1];
name=name.concat(n1[cc]);
quan[cc]=quan3;
amt[cc]=amt3;
cc++;
in++;
System.out.println("Do you wish to continue(y/n)?");
choose=sc.next().charAt(0);
if(choose=='y'  || choose== 'Y')
                {
menu();
                }
else if(choose=='n' || choose=='N')
                {
total();
                }
else
                {
System.out.println("Wrong Choice");
System.out.println("Try Again");
Pasta();
                }
            }
else if(cb==2)
            {
System.out.println("Enter quantity:");
```

```
                quan3=sc.nextDouble();
                amt3=amt3+(ponvp[1]*quan3);
System.out.println("The amount= "+amt3);
n1[cc]=nvp[1];
name=name.concat(n1[cc]);
quan[cc]=quan3;
amt[cc]=amt3;
cc++;
in++;
System.out.println("Do you wish to continue(y/n)?");
choose=sc.next().charAt(0);
if(choose=='y'  || choose== 'Y')
                {
menu();
                }
else if(choose=='n' || choose=='N')
                {
total();
                }
else
                {
System.out.println("Wrong Choice");
System.out.println("Try Again");
Pasta();
                }
            }
else
            {
System.out.println("Wrong Choice");
System.out.println("Try Again");
Pasta();
            }
```

```
        }
else if(c==3)
        {
System.out.println("Enter 1:Veg/2:Non-Veg");
int cc=sc.nextInt();
if(cc==1)
          {
System.out.println("Enter quantity:");
              quan3=sc.nextDouble();
              amt3=amt3+(povp[2]*quan3);
System.out.println("The amount= "+amt3);
n1[cc]=vp[2];
name=name.concat(n1[cc]);
quan[cc]=quan3;
amt[cc]=amt3;
cc++;
in++;
System.out.println("Do you wish to continue(y/n)?");
choose=sc.next().charAt(0);
if(choose=='y'  || choose== 'Y')
              {
menu();
              }
else if(choose=='n' || choose=='N')
              {
total();
              }
else
              {
System.out.println("Wrong Choice");
System.out.println("Try Again");
Pasta();
```

```
                }
            }
else if(cc==2)
            {
System.out.println("Enter quantity:");
                quan3=sc.nextDouble();
                amt3=amt3+(ponvp[2]*quan3);
System.out.println("The amount= "+amt3);
n1[cc]=nvp[2];
name=name.concat(n1[cc]);
quan[cc]=quan3;
amt[cc]=amt3;
cc++;
in++;
System.out.println("Do you wish to continue(y/n)?");
choose=sc.next().charAt(0);
if(choose=='y'  || choose== 'Y')
                {
menu();
                }
else if(choose=='n' || choose=='N')
                {
total();
                }
else
                {
System.out.println("Wrong Choice");
System.out.println("Try Again");
Pasta();
                }
            }
else
```

```
            {
System.out.println("Wrong Choice");
System.out.println("Try Again");
Pasta();
            }
          }
else if(c==4)
          {
menu();
          }
else
          {
System.out.println("Wrong Choice");
System.out.println("Try Again");
Pasta();
          }
       }
catch(Exception e)
       {
System.out.println(e);
       }
   }
public void VegPizza()
   {
System.out.println("You have selected 'Veg Pizza' option");
System.out.println("Enter your choice according to the following:");
System.out.println("1.Veg Farmhouse.....200");
System.out.println("2.Veggie Paradise.....250");
System.out.println("3.Veg Extravaganza.....300");
System.out.println("4.Main-Menu");
int d=sc.nextInt();
double quan4;
```

```
double amt4=0;
try
      {
if(d==1)
      {
System.out.println("Enter quantity:");
          quan4=sc.nextDouble();
          amt4=amt4+(povpi[0]*quan4);
System.out.println("The amount= "+amt4);
n1[cc]=vpi[0];
name=name.concat(n1[cc]);
quan[cc]=quan4;
amt[cc]=amt4;
cc++;
in++;
System.out.println("Do you wish to continue(y/n)?");
choose=sc.next().charAt(0);
if(choose=='y'  || choose== 'Y')
          {
menu();
          }
else if(choose=='n' || choose=='N')
          {
total();
          }
else
          {
System.out.println("Wrong Choice");
System.out.println("Try Again");
VegPizza();
          }
      }
```

```
else if(d==2)
        {
System.out.println("Enter quantity:");
            quan4=sc.nextDouble();
            amt4=amt4+(povpi[1]*quan4);
System.out.println("The amount= "+amt4);
n1[cc]=vpi[1];
name=name.concat(n1[cc]);
quan[cc]=quan4;
amt[cc]=amt4;
cc++;
in++;
System.out.println("Do you wish to continue(y/n)?");
choose=sc.next().charAt(0);
if(choose=='y'  || choose== 'Y')
            {
menu();
            }
else if(choose=='n' || choose=='N')
            {
total();
            }
else
            {
System.out.println("Wrong Choice");
System.out.println("Try Again");
VegPizza();
            }
        }
else if(d==3)
        {
System.out.println("Enter quantity:");
```

```
            quan4=sc.nextDouble();
            amt4=amt4+(povpi[2]*quan4);
System.out.println("The amount= "+amt4);
n1[cc]=vpi[2];
name=name.concat(n1[cc]);
quan[cc]=quan4;
amt[cc]=amt4;
cc++;
in++;
System.out.println("Do you wish to continue(y/n)?");
choose=sc.next().charAt(0);
if(choose=='y'  || choose== 'Y')
            {
menu();
            }
else if(choose=='n' || choose=='N')
            {
total();
            }
else
            {
System.out.println("Wrong Choice");
System.out.println("Try Again");
VegPizza();
            }
        }
else if(d==4)
        {
menu();
        }
else
        {
```

```
System.out.println("Wrong Choice");
System.out.println("Try Again");
VegPizza();
        }
    }
catch(Exception e)
    {
System.out.println(e);
    }
}
public void NonVegPizza()
{
System.out.println("You have selected 'Non-Veg Pizza' option");
System.out.println("Enter your choice according to the following:");
System.out.println("1.Non-Veg Loaded.....300");
System.out.println("2.Chicken Dominator.....350");
System.out.println("3.Non-Veg Supreme.....400");
System.out.println("4.Main-Menu");
int z=sc.nextInt();
double quan5;
double amt5=0;
try
    {
if(z==1)
    {
System.out.println("Enter quantity:");
        quan5=sc.nextDouble();
        amt5=amt5+(ponvpi[0]*quan5);
System.out.println("The amount= "+amt5);
n1[cc]=nvpi[0];
name=name.concat(n1[cc]);
quan[cc]=quan5;
```

```
amt[cc]=amt5;
cc++;
in++;
System.out.println("Do you wish to continue(y/n)?");
choose=sc.next().charAt(0);
if(choose=='y'  || choose== 'Y')
        {
menu();
        }
else if(choose=='n')
        {
total();
        }
else
        {
System.out.println("Wrong Choice");
System.out.println("Try Again");
NonVegPizza();
        }
    }
else if(z==2)
    {
System.out.println("Enter quantity:");
        quan5=sc.nextDouble();
        amt5=amt5+(ponvpi[1]*quan5);
System.out.println("The amount= "+amt5);
n1[cc]=nvpi[1];
name=name.concat(n1[cc]);
quan[cc]=quan5;
amt[cc]=amt5;
cc++;
in++;
```

```
System.out.println("Do you wish to continue(y/n)?");
choose=sc.next().charAt(0);
if(choose=='y'  || choose== 'Y')
        {
menu();
        }
else if(choose=='n')
        {
total();
        }
else
        {
System.out.println("Wrong Choice");
System.out.println("Try Again");
NonVegPizza();
        }
    }
else if(z==3)
    {
System.out.println("Enter quantity:");
        quan5=sc.nextDouble();
        amt5=amt5+(ponvpi[2]*quan5);
System.out.println("The amount= "+amt5);
n1[cc]=nvpi[2];
name=name.concat(n1[cc]);
quan[cc]=quan5;
amt[cc]=amt5;
cc++;
in++;
System.out.println("Do you wish to continue(y/n)?");
choose=sc.next().charAt(0);
if(choose=='y'  || choose== 'Y')
```

```
        {
menu();
        }
else if(choose=='n')
        {
total();
        }
else
        {
System.out.println("Wrong Choice");
System.out.println("Try Again");
NonVegPizza();
        }
    }
else if(z==4)
    {
menu();
    }
else
    {
System.out.println("Wrong Choice");
System.out.println("Try Again");
NonVegPizza();
    }
}
catch(Exception e)
{
System.out.println(e);
}
}
public void SoftDrinks()
{
```

```
System.out.println("You have selected 'Soft Drinks' option");
System.out.println("Enter your choice according to the following:");
System.out.println("1.Coke.....50");
System.out.println("2.Sprite.....30");
System.out.println("3.Fanta.....20");
System.out.println("4.Main-Menu");
int f=sc.nextInt();
double quan6;
double amt6=0;
try
   {
if(f==1)
   {
System.out.println("Enter quantity:");
      quan6=sc.nextDouble();
      amt6=amt6+(posd[0]*quan6);
System.out.println("The amount= "+amt6);
n1[cc]=sd[0];
name=name.concat(n1[cc]);
quan[cc]=quan6;
amt[cc]=amt6;
cc++;
in++;
System.out.println("Do you wish to continue(y/n)?");
choose=sc.next().charAt(0);
if(choose=='y'  || choose== 'Y')
      {
menu();
      }
else if(choose=='n' || choose== 'N')
      {
total();
```

```
        }
else
        {
System.out.println("Wrong Choice");
System.out.println("Try Again");
SoftDrinks();
        }
    }
else if(f==2)
    {
System.out.println("Enter quantity:");
        quan6=sc.nextDouble();
        amt6=amt6+(posd[1]*quan6);
System.out.println("The amount= "+amt6);
n1[cc]=sd[0];
name=name.concat(n1[cc]);
quan[cc]=quan6;
amt[cc]=amt6;
cc++;
in++;
System.out.println("Do you wish to continue(y/n)?");
choose=sc.next().charAt(0);
if(choose=='y'  || choose== 'Y')
        {
menu();
        }
else if(choose=='n')
        {
total();
        }
else
        {
```

```
System.out.println("Wrong Choice");
System.out.println("Try Again");
SoftDrinks();
        }
    }
else if(f==3)
    {
System.out.println("Enter quantity:");
        quan6=sc.nextDouble();
        amt6=amt6+(posd[2]*quan6);
System.out.println("The amount= "+amt6);
n1[cc]=sd[2];
name=name.concat(n1[cc]);
quan[cc]=quan6;
amt[cc]=amt6;
cc++;
in++;
System.out.println("Do you wish to continue(y/n)?");
choose=sc.next().charAt(0);
if(choose=='y'  || choose== 'Y')
        {
menu();
        }
else if(choose=='n')
        {
total();
        }
else
        {
System.out.println("Wrong Choice");
System.out.println("Try Again");
SoftDrinks();
```

```
        }
    }
else if(f==4)
    {
menu();
    }
else
    {
System.out.println("Wrong Choice");
System.out.println("Try Again");
SoftDrinks();
    }
    }
catch(Exception e)
    {
System.out.println(e);
    }
}
public void Desserts()
{
System.out.println("You have selected 'Desserts' option");
System.out.println("Enter your choice according to the following:");
System.out.println("1.Butterscotch.....100");
System.out.println("2.Choco Lava Cake.....150");
System.out.println("3.Fruit Punch.....200");
System.out.println("4.Main-Menu");
int g=sc.nextInt();
double quan7;
double amt7=0;
try
    {
if(g==1)
```

```
    {
System.out.println("Enter quantity:");
        quan7=sc.nextDouble();
        amt7=amt7+(posd[2]*quan7);
System.out.println("The amount= "+amt7);
n1[cc]=de[0];
name=name.concat(n1[cc]);
quan[cc]=quan7;
amt[cc]=amt7;
cc++;
in++;
System.out.println("Do you wish to continue(y/n)?");
choose=sc.next().charAt(0);
if(choose=='y'  || choose== 'Y')
        {
menu();
        }
else if(choose=='n')
        {
total();
        }
else
        {
System.out.println("Wrong Choice");
System.out.println("Try Again");
Desserts();
        }
    }
else if(g==2)
    {
System.out.println("Enter quantity:");
            quan7=sc.nextDouble();
```

```
            amt7=amt7+(pode[1]*quan7);
System.out.println("The amount= "+amt7);
n1[cc]=de[1];
name=name.concat(n1[cc]);
quan[cc]=quan7;
amt[cc]=amt7;
cc++;
in++;
System.out.println("Do you wish to continue(y/n)?");
choose=sc.next().charAt(0);
if(choose=='y'  || choose== 'Y')
            {
menu();
            }
else if(choose=='n' || choose=='N')
            {
total();
            }
else
            {
System.out.println("Wrong Choice");
System.out.println("Try Again");
Desserts();
            }
        }
else if(g==3)
        {
System.out.println("Enter quantity:");
            quan7=sc.nextDouble();
            amt7=amt7+(pode[2]*quan7);
System.out.println("The amount= "+amt7);
n1[cc]=de[2];
```

```
name=name.concat(n1[cc]);
quan[cc]=quan7;
amt[cc]=amt7;
cc++;
in++;
System.out.println("Do you wish to continue(y/n)?");
choose=sc.next().charAt(0);
if(choose=='y'  || choose== 'Y')
        {
menu();
        }
else if(choose=='n' || choose=='N')
        {
total();
        }
else
        {
System.out.println("Wrong Choice");
System.out.println("Try Again");
Desserts();
        }
    }
else if(g==4)
    {
menu();
    }
else
    {
System.out.println("Wrong Choice");
System.out.println("Try Again");
Desserts();
    }
```

```
    }
catch(Exception e)
    {
System.out.println(e);
    }
}
public void total()
{

double total=0;
int k=1;
System.out.println("Sr.No\t\tItem Description\t\tQuantity\t\tAmount");
for(j=0;j<in;j++)
        {
total+=amt[j];
            //n=name;
System.out.println(k+"\t\t"+n1[j]+"\t\t"+quan[j]+"\t\t\t"+amt[j]);
k++;
        }
System.out.println("The total amount= "+total);
System.out.println("Thank you");

    }
}
```

//Third file

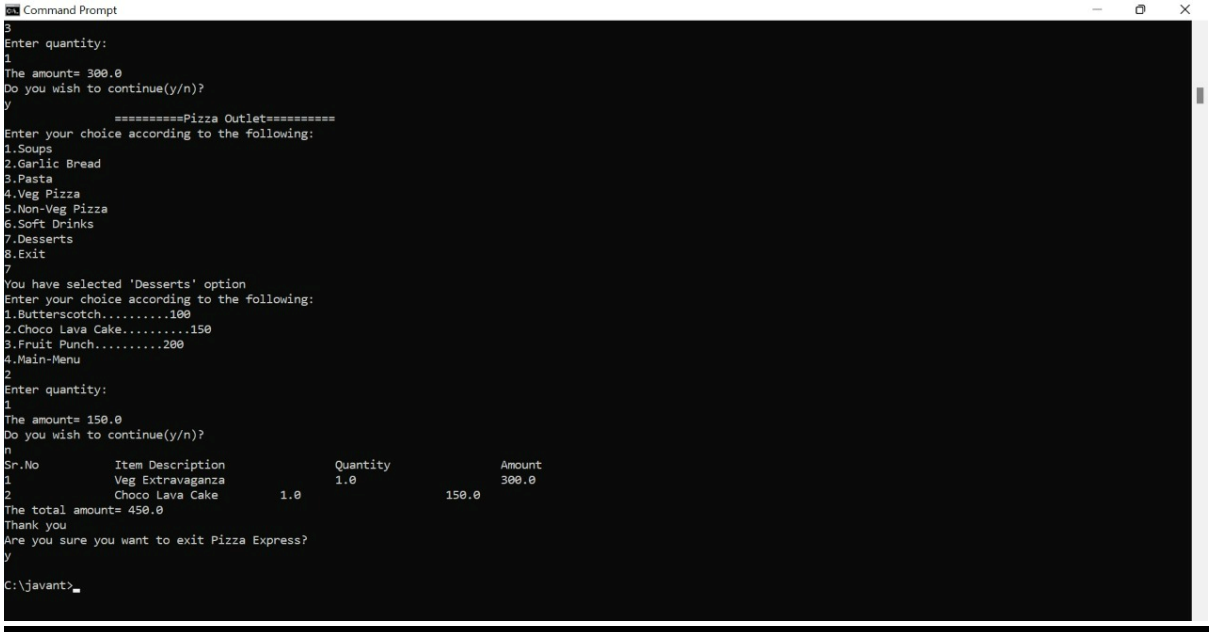
```
//main class
package p2;
import p1.*;
import java.util.*;
public class MainClass
{



public static void welcome()
{
System.out.print("\u000C");
System.out.println(" ");
System.out.println("
");
System.out.println("
");
System.out.println("
");
System.out.println("
");
System.out.println("
");
System.out.println(" ");
System.out.println("
");
System.out.println("
");
System.out.println("
");
System.out.println("
");
System.out.println("
");
System.out.println(" ");
System.out.println("
");
System.out.println("
");
System.out.println("
");
System.out.println("
");
System.out.println("
");
System.out.println(" ");
System.out.println("
");
System.out.println("
");
System.out.println("
");
System.out.println("
");
System.out.println("
");
```

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



}



    String vs[]={" Veg Manchow Soup", "Veg Hot and Sour Soup" , "Tomato Soup"};
    String nvs[]={"Non-Veg Manchow Soup" , "Non-Veg Hot and Sour Soup"};
    String gb[]={"G'arlic Bread without cheese" , "  Garlic Bread with cheese "};
    String vp[]={"Veg Tangy Pasta" , " Veg Cheesy Pasta" , "Veg Creamy Garlic Pasta  "};
    String nvp[]={"Non-Veg Tangy Pasta" ,"Non-Veg Cheesy Pasta" ,"Non-Veg Creamy Garlic
Pasta"};
    String vpi[]={"Veg Farmhouse" , "Veggie Paradise" , "Veg Extravaganza"};
    String nvpi[]={"Non-Veg Loaded" , "Chicken Dominator" , "Non-Veg Supreme"};
    String sd[]={"Coke" , "Sprite" , "Fanta"};
    String de[]={"Butterscotch" , "Choco Lava Cake" , "Fruit Punch"};
    double povs[]={200 , 240 , 240};
    double ponvs[]={250 , 270};
    double pogb[]={100 , 150 };
    double povp[]={150 , 200 , 250};
    double ponvp[]={250 , 300 , 350};
    double povpi[]={200 , 250 , 300};
    double ponvpi[]={300 , 350 , 400};
    double posd[]={50 , 30 , 20};
    double pode[]={100 , 150 , 200};
    String name="";
```

```
    String n;
    int i;
    int j;
    int ch;
    char choose;
    int cc=0;
    double quan[]=new double[50];
    double amt[]=new double[50];
    String n1[]=new String[50];
    int in=0;
    static char choice='y';
public static void main(String args[])
    {

        Scanner sc=new Scanner(System.in);
System.out.println("You want 1.Takeout\n2.Delivery");
int c=sc.nextInt();
if(c==1)
{
        p1.pizza_outlet p=new p1.pizza_outlet();
        welcome();
while(choice=='y' || choice=='Y')
        {
p.menu();
System.out.println("Are you sure you want to exit Pizza Express?");
choice=sc.next().charAt(0);
if(choice=='n' || choice=='N')
            {
p.menu();
            }
else if(choice=='y' || choice=='Y' )
            {
```

```
break;
        }
else
        {
System.out.println("Wrong Choice");


        }
   }
   }
else if(c==2)
{
         p2.delivery d=new p2.delivery();
         d.getdata();
         d.getbill();


}
}
}
```

OUTPUT SCREEN


Command Prompt
3
Enter quantity:
1
The amount= 300.0
Do you wish to continue(y/n)?
y
==========Pizza Outlet==========
Enter your choice according to the following:
1.Soups
2.Garlic Bread
3.Pasta
4.Veg Pizza
5.Non-Veg Pizza
6.Soft Drinks
7.Desserts
8.Exit
7
You have selected 'Desserts' option
Enter your choice according to the following:
1.Butterscotch.....100
2.Choco Lava Cake.....150
3.Fruit Punch.....200
4.Main-Menu
2
Enter quantity:
1
The amount= 150.0
Do you wish to continue(y/n)?
n
Sr.No Item Description Quantity Amount
1 Veg Extravaganza 1.0 300.0
2 Choco Lava Cake 1.0 150.0
The total amount= 450.0
Thank you
Are you sure you want to exit Pizza Express?
y
C:\javant>


Command Prompt
==========Pizza Outlet==========
Enter your choice according to the following:
1.Soups
2.Garlic Bread
3.Pasta
4.Veg Pizza
5.Non-Veg Pizza
6.Soft Drinks
7.Desserts
8.Exit
7
You have selected 'Desserts' option
Enter your choice according to the following:
1.Butterscotch.....100
2.Choco Lava Cake.....150
3.Fruit Punch.....200
4.Main-Menu
2
Enter quantity:
1
The amount= 150.0
Do you wish to continue(y/n)?
n
Sr.No Item Description Quantity Amount
1 Veg Extravaganza 1.0 300.0
2 Choco Lava Cake 1.0 150.0
The total amount= 450.0
Thank you
Delivery charge= 50 Rupees
THANK YOU FOR USING OUR SOFTWARE
C:\javant>