**Java Assignment – 1**

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**Div : C**

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**Que) Write a java application for food delivery system and . Calculate the bill for the item purchased And delivery charges (Calculate according to the distance).**

1. Display menu card to user and ask user to order the food

2. Once user ordered the food ask to enter the distance (enter the distance manually). And Calculate the delivery charges.

3. Calculate the final bill and display the bill in tabular format.

**Code:**

Import java.util.\*;

Import java.lang.\*;

Class menufun

{

Int sum=0;

Int delch=0;

Int srno=1;

Float distance=0;

String order=””;

Scanner sc=new Scanner(System.in);

Void menu(int ch)

{

Int q=0;

System.out.println(“How much quantity you want ?”);

Q=sc.nextInt();

Switch(ch)

{

Case 0 : System.exit(0);

Case 1 : sum=sum+400\*q;

Order=order+”\n”+srno+”\tpizza\t “+q+”\t\t400\t”+400\*q;

Srno++;

Break;

Case 2 : sum=sum+200\*q;

Order=order+”\n”+srno+”\tsandwich “+q+”\t\t200\t”+200\*q;

Srno++;

Break;

Case 3 : sum=sum+50\*q;

Order=order+”\n”+srno+”\tcoffee\t “+q+”\t\t50\t”+50\*q;

Srno++;

Break;

Case 4 : sum=sum+100\*q;

Order=order+”\n”+srno+”\tburger\t “+q+”\t\t100\t”+100\*q;

Srno++;

Break;

Default :System.out.println(“Please select correct choice”);

}

}

Void chargecal(float d)

{

Distance=d;

If(sum>=200 && sum <=500)

{

If(d>=3.01 && d<=5)

{

Delch=50;

}

Else if(d>=5.01 && d<=10)

{

Delch=100;

}

Else if(d>=10.01 && d<=15)

{

Delch=150;

}

Else if(d>=15.01 && d<=20)

{

Delch=200;

}

Else if(d>=20.01 && d<=25)

{

Delch=250;

}

Else if(d>=25.01)

{

Delch=300;

}

}

Else if(sum>=501 && sum <=1000)

{

If(d>=5.01 && d<=10)

{

Delch=50;

}

Else if(d>=10.01 && d<=15)

{

Delch=100;

}

Else if(d>=15.01 && d<=20)

{

Delch=150;

}

Else if(d>=20.01 && d<=25)

{

Delch=200;

}

Else if(d>=25.01)

{

Delch=250;

}

}

Else if(sum>=1001 && sum <=1500)

{

If(d>=10.01 && d<=15)

{

Delch=50;

}

Else if(d>=15.01 && d<=20)

{

Delch=100;

}

Else if(d>=20.01 && d<=25)

{

Delch=150;

}

Else if(d>=25.01)

{

Delch=200;

}

}

Else if(sum>=1501 && sum <=2000)

{

If(d>=15.01 && d<=20)

{

Delch=50;

}

Else if(d>=20.01 && d<=25)

{

Delch=100;

}

Else if(d>=25.01)

{

Delch=150;

}

}

Else if(sum>=2001 && sum <=2500)

{

If(d>=20.01 && d<=25)

{

Delch=50;

}

Else if(d>=25.01)

{

Delch=100;

}

}

Else if(sum>=2501 && sum <=3000)

{

If(d>=25.01)

{

Delch=50;

}

}

Else if(sum>=3001 && sum <=9999)

{

Delch=0;

}

}

Void subtotal()

{

Float temp=sum+delch;

System.out.println(“\n\n\nOrder Summery”);

System.out.println(“\nsr.no\tItem\tQuantity\tPrice\tamount”);

System.out.print(order);

System.out.println(“\n\nYour subtoal would be “+sum);

System.out.println(“Distance = “+distance);

System.out.println(“Dilivery charges = “+delch);

System.out.println(“Total = “+temp);

}

}

Class menu

{

Public static void main(String args[])

{

Scanner sc=new Scanner(System.in);

Menufun mn=new menufun();

Int choice;

Float d;

Do

{

System.out.println(“1) pizza --- 400rs”);

System.out.println(“2) sandwich --- 200rs”);

System.out.println(“3) coffee --- 50rs”);

System.out.println(“4) burger --- 200rs”);

System.out.println(“0) checkout”);

System.out.println(“\nEnter your choice :”);

Choice=sc.nextInt();

If(choice>0 && choice <=4)

{

Mn.menu(choice);

}

Else if(choice==0)

{

If(mn.sum>=200)

{

System.out.println(“Enter the distance”);

D=sc.nextInt();

Mn.chargecal(d);

Mn.subtotal();

}

Else

{

System.out.println(“Order cannot be less than 200”);

}

}

Else

{

System.out.println(“Enter correct choice”);

}

}while(choice!=0);

Sc.close();

}

}

**[END OF CODE]**

**OUTPUT:**

1) pizza --- 400rs

2) sandwich --- 200rs

3) coffee --- 50rs

4) burger --- 200rs

0) checkout

Enter your choice :

1

How much quantity you want ?

1

1) pizza --- 400rs

2) sandwich --- 200rs

3) coffee --- 50rs

4) burger --- 200rs

0) checkout

Enter your choice :

3

How much quantity you want ?

1

1) pizza --- 400rs

2) sandwich --- 200rs

3) coffee --- 50rs

4) burger --- 200rs

0) checkout

Enter your choice :

0

Enter the distance

5

Order Summery

Sr.no Item Quantity Price amount

1 pizza 1 400 400

2 coffee 1 50 50

Your subtoal would be 450

Distance = 5.0

Dilivery charges = 50

Total = 500.0

**[Program finished]**

