

Assignment No. 16

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PRN: 2020BTEIT00041

Branch: Information Technology

Project: Billing Program for a Pizza shop

Code:

```
R> Learning > Learning C > Pizza Program > C:Om_Project
1  /*
2   Name: Om Vivek Gharge
3   PRN : 2020BTEIT00041
4   Branch : Information Technology
5   PMS project : Billing program for Pizza Store
6   */
7
8  #include<stdio.h>
9  #include<conio.h>
10 #include<math.h>
11 #include<stdlib.h>
12
13 int quantity(int total,int price) // Function for calculating total as per quantity of pizzas chosen
14 {
15     int n;
16     printf("\nEnter the number of this dish you want to purchase? ");
17     scanf("%d",&n);
18     return total+(price*n);
19 }
20
21 int veg(int total) //Function for choosing veg pizzas
22 {
23     int no,n1,n2,n3,n4,price,s; // s=size price , n2-Pizza ,n3-quantity
24     veg_pizza:
25     printf("\n\nChoose your Pizza: \n");
26     printf(" 1.Margherita\n 2.Cheese and Corn\n 3.Farmhouse\n");
27     scanf("%d",&n2);
28     size:
29     switch(n2)
30     {
31         case 1:
32             price=100;
33             printf("\n\nYou chose Margherita\n");
34             printf("Please Enter the required size :\n 1.Small \n 2.Medium \n 3.Large \n");
35             scanf("%d",&n3);
36             switch(n3)
37             {
38                 case 1: s=50;
39                     total=quantity(total,price+s);
40                     break;
41                 case 2:s=100;
42                     total=quantity(total,price+s);
43                     break;
44                 case 3:s=150;
45                     total=quantity(total,price+s);
46                     break;
47             }break;
48         case 2:
49             price=150;
50             printf("\n\nYou chose Cheese and Corn\n");
51             printf("Please Enter the required size :\n 1.Small \n 2.Medium \n 3.Large \n");
52             scanf("%d",&n3);
53             switch(n3)
54             {
55                 case 1: s=50;
56                     total=quantity(total,price+s);
57                     break;
58                 case 2:s=100;
59                     total=quantity(total,price+s);
60                     break;
61                 case 3:s=150;
62                     total=quantity(total,price+s);
63                     break;
64             }break;
65         case 3:
66             price=200;
67             printf("\n\nYou chose Farmhouse\n");
68             printf("Please Enter the required size :\n 1.Small \n 2.Medium \n 3.Large \n");
69             scanf("%d",&n3);
70             switch(n3)
71             {
72                 case 1: s=50;
73                     total=quantity(total,price+s);
74                     break;
75                 case 2:s=100;
76                     total=quantity(total,price+s);
77                     break;
78                 case 3:s=150;
79                     total=quantity(total,price+s);
80                     break;
81             }break;
82     }
83     return total;
84 }
85
86 int nonveg(int total) //Fuction for choosing non veg pizzas
87 {
88     int no,n1,n2,n3,n4,s,price;
89 }
```

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E:\Learning > Learning C > Pizza Program > C On Projects
92 nonveg_pizza:
93     printf("\nChoose your Pizza: \n");
94     printf("1.Chicken Barbeque\n 2.Chicken and cheese\n 3.Chicken Heaven\n");
95     scanf("%d",&n2);
96     size:
97     switch(n2)
98     {
99         case 1:price=100;
100         printf("\nYou chose Chicken Barbeque\n");
101         printf("Please Enter the required size :\n 1.Small \n 2.Medium \n 3.Large \n");
102         scanf("%d",&n3);
103         switch(n3)
104         {
105             case 1: s=50;
106             total-quantity(total,price+s);
107             break;
108             case 2:s=100;
109             total-quantity(total,price+s);
110             break;
111             case 3:s=150;
112             total-quantity(total,price+s);
113             break;
114         }
115     }break;
116     case 2:price=150;
117     printf("\nYou chose Chicken and cheese\n");
118     printf("Please Enter the required size :\n 1.Small \n 2.Medium \n 3.Large \n");
119     scanf("%d",&n3);
120     switch(n3)
121     {
122         case 1: s=50;
123         total-quantity(total,price+s);
124         break;
125         case 2:s=100;
126         total-quantity(total,price+s);
127         break;
128         case 3:s=150;
129         total-quantity(total,price+s);
130         break;
131     }break;
132     case 3:price=200;
133     printf("\nYou chose Chicken Heaven\n");
134     printf("Please Enter the required size :\n 1.Small \n 2.Medium \n 3.Large \n");
135     scanf("%d",&n3);
136     switch(n3)
137     {
138         case 1: s=50;
139         total-quantity(total,price+s);
140         break;
141         case 2:s=100;
142         total-quantity(total,price+s);
143         break;
144         case 3:s=150;
145         total-quantity(total,price+s);
146         break;
147     }
148     }
149     break;
150 }
151
152 default:
153     goto nonveg_pizza;
154 break;
155 }
156 return total;
157 }
158
159 int beverage(int total) //Fuction for choosing beverages
160 {
161     int n,price;
162     printf("\nWhich beverage would you like to purchase? \n 1.Pepsi \n 2.Thumbs up \n 3.Sprite \n");
163     scanf("%d",&n);
164     switch(n)
165     {
166         case 1: price=40;
167         total-quantity(total,price);
168         break;
169         case 2: price=35;
170         total-quantity(total,price);
171         break;
172         case 3: price=30;
173         total-quantity(total,price);
174         break;
175     }
176     return (total);
177 }
178
179 int main()
180 {
181     char name[30];
182     int m,n1,n2,n3,n4,n5,n6;
183     int total=0; // n1-Pizza type, n2-Pizza choice, n3-Pizza size
184
185     system("CLS");
186
187     printf("\n-----WELCOME TO OM's Pizza Parlour-----\n\n");
188     printf("Enter the name of the customer: ");
189     scanf("%s",&name); //Input Name of customer
190     printf("\nEnter your phone No. :"); //Input Phone No. of customer
191     scanf("%d",&n0);
192     fflush(stdin);
193
194     // n1 = type of pizza
195     Type:
196     printf("\n\nWhat type of pizza would you like to order: \n",name);
197     printf("1. Veg Pizza\n2.Non-Veg Pizza \n");
198     scanf("%d",&n1); //Choosing option 1 or 2
199
200
201     switch(n1)
202     {
203         case 1:
204             printf("Which Veg Pizza do you want? ");
205             break;
206         case 2:
207             printf("Which Non-Veg Pizza do you want? ");
208             break;
209         default:
210             printf("\nError!.. \nWrong Option\nPlease Choose again\n");
211             break;
212     }
213
214     //Choosing the veg pizza n2
215     if(n1==1)
216     {
217         total = veg(total);
218     }
219     //Choosing the nonveg pizza n2
220     if(n1==2)
221     {
222         total = nonveg(total);
223     }
224
225     printf("\nWould you like to continue adding pizzas to your cart? \nType 1 if Yes and Type 0 if No... ");
226     scanf("%d",&n5);
227
228     if(n5==1)
229     {

```

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P:\> Learning > Learning C > Pizza Program > C:\On_Project.c
230     goto type;
231     }
232
233
234     printf("\nWould you like to have any beverage with your pizza?\n For Yes type 1 or For No type 0..\n ");
235     scanf("%d",&n6);
236     if(n6==1)
237     {
238         total = beverage(total);
239     }
240
241     //Output of Total Bill on the screen
242     printf("\n-----");
243     printf("\n\nOrder Confirmed \nOn :%s , At :%s\n", DATE , TIME );
244     printf("\n\n\t\t\t\t\tThank you for Ordering !!\n\nTotal amount to be paid = Rs. %d",total);
245
246     return 0;
247
248 }
```

OUTPUT:

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Try the new cross-platform PowerShell https://aka.ms/powershell

PS C:\Users\omgha> cd "f:\Learning\Learning C\Pizza Program"; if ($?) { gcc On_Project.c -o On_Project }; if ($?) { .\On_Project }

-----WELCOME TO OM's Pizza Parlour-----

Enter the name of the customer: OM Gharge

Enter your phone No. :1234566778

What type of pizza would you like to order:
1. Veg Pizza
2.Non-Veg Pizza
1
Which Veg Pizza do you want?

Choose your Pizza:
1.Margherita
2.Cheese and Corn
3.Farmhouse
2

You chose Cheese and Corn
Please Enter the required size :
1.Small
2.Medium
3.Large
3

Enter the number of this dish you want to purchase? 2

Would you like to continue adding pizzas to your cart?
Type 1 if Yes and Type 0 if No... 1

1. Veg Pizza
2.Non-Veg Pizza
2
Which Non-Veg Pizza do you want?
Choose your Pizzas:
1.Chicken Barbeque
2.Chicken and cheese
3.Chicken Heaven
3

You chose Chicken Heaven
Please Enter the required size :
1.Small
2.Medium
3.Large
3

Enter the number of this dish you want to purchase? 2

Would you like to continue adding pizzas to your cart?
Type 1 if Yes and Type 0 if No... 0

Would you like to have any beverage with your pizza?
For Yes type 1 or For No type 0..
1

Which beverage would you like to purchase?
1.Pepsi
2.Thumbs up
3.Sprite
2

Enter the number of this dish you want to purchase? 3

Order Confirmed
On :May 16 2021 , At :02:55:30

Thank you for Ordering !!

Total amount to be paid = Rs. 1405
```