



Mini Project - mini-project [GitHub] x +

github.dev/Adellalu/mini-project/blob/main/Mini%20Project

Solved: Re: changin...

Untitled-1 Mini Project x

Mini Project > generateBillBody

```
1 #include<stdio.h>
2 #include<string.h>
3 #include<stdlib.h>
4
5 struct items{
6     char item[20];
7     float price;
8     int qty;
9 };
10
11 struct orders{
12     char customer[50];
13     char date[50];
14     int numofItems;
15     struct items itm[50];
16 };
17
18
19 void generateBillHeader(char name [50], char date[30]){
20     printf("\n\n");
21     printf("\t ADV.RESTAURANT");
22     printf("\n\t -----");
23     printf("\nDate:%s", date);
24     printf("\nInvoice To: %s",name);
25     printf("\n");
26     printf("-----\n");
27     printf("Items\t\t");
28     printf("Qty\t\t");
29     printf("Total \t\t");
30     printf("\n-----");
31 }
32 void generateBillBody(char item[30], int qty, float price){
33     printf("\n%s\t\t",item);
34     printf("%d\t\t",qty);
35     printf("%.2f\t\t",qty * price);
36     printf("\n");
```

Ln 36, Col 14 Spaces: 4 UTF-8 LF C Layout: US

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Untitled-1Mini Project x

Mini Project > main

```
36 printf("\n");
37 }
38 void generateBillFooter(float total){
39 printf("\n");
40 float dis = 0.1*total;
41 float netTotal=total-dis;
42 float cgst=0.09*netTotal, grandTotal=netTotal + 2*cgst;
43 printf("-----\n");
44 printf("Sub Total\t\t\t%.2f",total);
45 printf("\nDiscount @10\t\t\t%.2f", dis);
46 printf("\n\t\t\t\t-----");
47 printf("\nNet Total\t\t\t%.2f", netTotal);
48 printf("\nCGST @9%\t\t\t%.2f", " ",cgst);
49 printf("\nSGST @9%\t\t\t%.2f", " ",cgst);
50 printf("\n-----");
51 printf("\nGrand Total\t\t\t%.2f",grandTotal);
52 printf("\n-----\n");
53 }
54
55 int main()
56 {
57 int opt,n;
58 float total;
59 struct orders ord;
60 // dashboard
61 printf("\t=====ADV. RESTAURANT=====");
62 printf("\n\nPlease select your prefered operation");
63 printf("\n\n1.Generate Invoice");
64 printf("\n2. Exit");
65
66 printf("\n\nYour choice:\t");
67
68 scanf("%d", &opt);
69 fgetc(stdin);
70 switch(opt){
71 case 1:
```

Ln 70, Col 13 Spaces: 4 UTF-8 LF C Layout: US

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Mini Project x

Mini Project > ...

```
70  switch(opt){
71      case 1:
72          printf("\nPlease enter the name of customer:\t");
73          fgets(ord.customer,50,stdin);
74          ord.customer[strlen(ord.customer)-1]=0;
75          strcpy(ord.date, _DATE_);
76          printf("\nPlease enter the number of items:\t");
77          scanf("%d",&n);
78          printf("\n\n");
79          ord.numofItems=n;
80          for(int i=0;i<n;i++){
81              fgetc(stdin);
82              printf("\n\nPlease enter the item%d: \t",i+1);
83              fgets(ord.itm[i].item,20,stdin);
84              ord.itm[i].item[strlen(ord.itm[i].item)-1]=0;
85              printf("Please enter the quantity:\t");
86              scanf("%d",&ord.itm[i].qty);
87              printf("Please enter the unit price:\t");
88              scanf("%f",&ord.itm[i].price);
89              total += ord.itm[i].qty * ord.itm[i].price;
90          }
91          generateBillHeader(ord.customer,ord.date);
92          for(int i=0;i<ord.numofItems;i++){
93              generateBillBody(ord.itm[i].item,ord.itm[i].qty,ord.itm[i].price);}
94          generateBillFooter(total);
95      case 2:
96          return 0;
97      }
98      return 0;
99  }
100 }
101
```

GitHub

main

Ln 101, Col 1 Spaces: 4 UTF-8 LF C Layout: US

Mini Project - mini-project [GitH...Online C Compiler

programiz.com/c-programming/online-compiler/

Solved: Re: changin...

Programiz

C Online Compiler

Learn C App

main.c

Run

```
14 ord.customer[strlen(ord.customer)-1]=0;
15 strcpy(ord.date,__DATE__);
16 printf("\nPlease enter the number of items:\t");
17 scanf("%d",&n);
18 printf("\n\n");
19 ord.numofItems=n;
20 for(int i=0;i<n;i++){
21     fgetc(stdin);
22     printf("\n\nPlease enter the item%d: \t",i+1);
23     fgets(ord.itm[i].item,20,stdin);
24     ord.itm[i].item[strlen(ord.itm[i].item)-1]=0;
25     printf("Please enter the quantity:\t");
26     scanf("%d",&ord.itm[i].qty);
27     printf("Please enter the unit price:\t");
28     scanf("%f",&ord.itm[i].price);
29     total += ord.itm[i].qty * ord.itm[i].price;
30 }
31 generateBillHeader(ord.customer,ord.date);
32 for(int i=0;i<ord.numofItems;i++){
33     generateBillBody(ord.itm[i].item,ord.itm[i].qty,ord.itm[i].price);}
34 generateBillFooter(total);
35 case 2:
36 return 0;
37 }
38 return 0;
39 }
40 }
```

Output

Clear

Output

```
/tmp/Sr6l79WEoF.o
=====ADV. RESTAURANT=====

Please select your preferred operation

1.Generate Invoice
2. Exit

Your choice: 1
Please enter the name of customer: x
Please enter the number of items: 2
Please enter the item1: porotta
Please enter the quantity: 8
Please enter the unit price: 15
Please enter the item2: chicken curry
Please enter the quantity: 2
Please enter the unit price: 70
ADV.RESTAURANT
-----
Date:Jun 17 2022
Invoice To: x
-----
Items Qty Total
-----
porotta 8 120.00
chicken curry 2 140.00
```


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Programiz

C Online Compiler

Learn C App

main.c

Run

Output

Clear

```
14 ord.customer[strlen(ord.customer)-1]=0;
75 strcpy(ord.date,__DATE__);
76 printf("\nPlease enter the number of items:\t");
77 scanf("%d",&n);
78 printf("\n\n");
79 ord.numofItems=n;
80 for(int i=0;i<n;i++){
81     fgetc(stdin);
82     printf("\n\nPlease enter the item%d: \t",i+1);
83     fgets(ord.itm[i].item,20,stdin);
84     ord.itm[i].item[strlen(ord.itm[i].item)-1]=0;
85     printf("Please enter the quantity:\t");
86     scanf("%d",&ord.itm[i].qty);
87     printf("Please enter the unit price:\t");
88     scanf("%f",&ord.itm[i].price);
89     total += ord.itm[i].qty * ord.itm[i].price;
90
91 }
92 generateBillHeader(ord.customer,ord.date);
93 for(int i=0;i<ord.numofItems;i++){
94     generateBillBody(ord.itm[i].item,ord.itm[i].qty,ord.itm[i].price);}
95 generateBillFooter(total);
96 case 2:
97 return 0;
98 }
99 return 0;
100 }
101
```

```
Please enter the quantity: 8
Please enter the unit price: 15
Please enter the item2: chicken curry
Please enter the quantity: 2
Please enter the unit price: 70
ADV.RESTAURANT
-----
Date:Jun 17 2022
Invoice To: x
-----
Items      Qty      Total
-----
porotta    8          120.00
chicken curry      2          140.00
-----
Sub Total                260.00
Discount @10              26.00
-----
Net Total                234.00
CGST @9                  21.06
SGST @9                  21.06
-----
Grand Total              276.12
-----
```