Program for problem solving

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Aim:

To create a project on Sweet Stall menu list and calculating total bill amount with number of items and quantity

Source Code:

```c
#include <stdio.h>

int main()
{   FILE *fr;
    int item_number, quantity, amt;
    int total = 0, l=0, b=0,m=0, c=0 ;
    fr= fopen("bill","w");
    printf("\t\t\t\t=========   SREE SRINIVASA SWEET STALL    ========\n");
    printf("\n\t\t\t\t===========      MENU        ===========");
    printf("\n\n\t\t\t\t ITEM S.NO. \t ITEMS \t\t\t PRICE PER KG(INR)");
    printf("\n\t\t\t\t  1 \t\t\t  LADDU \t\t\t   200");
    printf("\n\t\t\t\t  2 \t\t\t  BADUSHA \t\t\t   200");
    printf("\n\t\t\t\t  3 \t\t\t  MIXTURE \t\t\t   240");
    printf("\n\t\t\t\t  4 \t\t\t  CHIPS \t\t\t   360");
    printf("\n\t\t\t\t  0 \t\t\t  TOTAL \t\t\t    ");



    char item_name[10][10] = {"", "LADDU", "BADUSHA", "MIXTURE", "CHIPS"};


    for(int i=0; i<5; i++) {
        printf("\nEnter item number : ");
        scanf("%d", &item_number);
```

```c
if (item_number == 0) {
    printf("\n\t\t\t\t***BILL**");
    if(l!=0)
        printf("\n\t\t\t\t%dKG of LADDU   = %d", l, 200*l);
    if(b!=0)
        printf("\n\t\t\t\t%dKG of BADUSHA = %d", b, 200*b);
    if(m!=0)
        printf("\n\t\t\t\t%dKG of MIXTURE = %d", m, 240*m);
    if(c!=0)
        printf("\n\t\t\t\t%dKG of CHIPS   = %d", c, 360*c);
        printf("\n\t\t\t\t-------------------------");
        printf("\n\t\t\t\t   TOTAL    =%d",total);
        printf(fr,"bill : %d",total);
        printf("\n\t\t\t\t==== Thank you, Visit Again ====");
    break;
}

printf("\nEnter quantity of  %s : ", item_name[item_number]);
scanf("%d", &quantity);
switch(item_number) {
    case 1:
        l=quantity;
        amt = 200*quantity;
        break;
    case 2:
        b=quantity;
        amt = 200*quantity;
        break;
    case 3:
        m=quantity;
```

```c
            amt = 240*quantity;

            break;

        case 4:

            c=quantity;

            amt = 360*quantity;

            break;

        default:

            break;

    }

    total = total + amt;


    }

    return 0;

}
```

Output-1:

```
==========     SREE  SRINIVASA  SWEET  STALL     =========
============              MENU                ============

ITEM S.NO.    ITEMS              PRICE PER KG(INR)
1             LADDU                   200
2             BADUSHA                 200
3             MIXTURE                 240
4             CHIPS                   360 .
0             TOTAL
Enter item number : 4
Enter quantity of  CHIPS : 8
Enter item number : 1
Enter quantity of  LADDU : 5
Enter item number : 3
Enter quantity of  MIXTURE : 6
Enter item number : 2
Enter quantity of  BADUSHA : 7
Enter item number : 0
***BILL**
              5KG of LADDU    = 1000
              7KG of BADUSHA  = 1400
              6KG of MIXTURE  = 1440
              8KG of CHIPS    = 2880
              --------------------------
                  TOTAL       =6720
              ==== Thank you, Visit Again ====
```

Output-2:

```
==========        SREE SRINIVASA SWEET STALL        =========
============                MENU                =============

*ITEM S.NO.*      *ITEMS*               *PRICE PER KG(INR)*
             1            LADDU                  200
             2            BADUSHA                200
             3            MIXTURE                240
             4            CHIPS                  360
             0            TOTAL
Enter item number : 3
Enter quantity of  MIXTURE : 2
Enter item number : 2
Enter quantity of  BADUSHA : 3
Enter item number : 0
****BILL***
             3KG of BADUSHA  = 600
             2KG of MIXTURE  = 480
             --------------------------
                 TOTAL       =1080
             ==== Thank you, Visit Again ====
```