

➤ WAP to take input from user and print total in grocery store.

```
#include <stdio.h>
```

```
struct item details {
```

```
    char item name[20];
```

```
    int quantity;
```

```
    int price;
```

```
    int total amount;
```

```
};
```

```
void main()
```

```
{  
    int item numbers;
```

```
    printf ("Enter the total items in party");
```

```
    scanf ("%d", &item num);
```

```
    struct item details [item num], items [item num];
```

```
    for (int i=0; i<item num; i++) {
```

```
        printf ("Enter details of item %d: ", i+1);
```

```
        printf ("Item name");
```

```
        scanf ("%s", &items[i].item name);
```

```
        printf ("Quantity");
```

```
        scanf ("%d", &items[i].quantity);
```

```
        printf ("Price per unit");
```

```
        scanf ("%d", &items[i].price);
```

```
    }  
    for (i=0; i<item num; i++) {
```

```
        total = total + (items[i].quantity * items[i].price);
```

```
    }  
    printf ("The total price is %d", total);
```


2) WAP to convert marks into CGPA of a student

```
#include <stdio.h>
```

```
struct student {
```

```
    char name [25];
```

```
    char usn [10];
```

```
    int gsem1; //
```

```
    int gsem2;
```

```
};
```

```
void main() {
```

```
    int numstudents;
```

```
    printf("Enter number of students");
```

```
    scanf("%d", &numstudents);
```

```
    struct student students[numstudents];
```

```
    for (int i=0; i<numstudents; i++) {
```

```
        printf("Enter name of student %d: ", i+1);
```

```
        scanf("%s", students[i].name);
```

```
        printf("Enter USN");
```

```
        scanf("%s", students[i].usn);
```

```
        printf("Enter total grade of sem 1 & sem 2");
```

```
        scanf("%d %d", &gsem1, &gsem2);
```

```
        students[i].gsem1 = gsem1;
```

```
        students[i].gsem2 = gsem2;
```

```
    }
```

```
    for (int i=0; i<numstudents; i++) {
```

```
        if (students[i].gsem1 || students[i].gsem2 < 4)
```

```
        {
```

```
            printf("Student %s is promoted to 3rd sem.
```

```
            students[i].name);
```

```
        }
```

```
    else
```

```
    { printf("Student %s is not promoted to 3rd sem.
```

```
      students[i].name); }
```