

11-12-23 | 1) #include <stdio.h>
struct itemdetails

4pt { char itemname[50];
int quant;
int price;
int total_amt;

};

void main()

{ int i, n, tot_exp = 0;
printf("Enter no. of items: ");
scanf("%d", &n);
struct itemdetails items[n];
for (i = 0; i < n; i++)
{ printf("Name of item: ");
scanf("%s", &items[i].itemname);
printf("Quantity: ");
scanf("%d", &items[i].~~price~~quant);
printf("Price: ");
scanf("%d", &items[i].price);
items[i].total_amt = items[i].quant * items[i].price;
printf("Total cost: %d\n", items[i].total_amt);
}
for (i = 0; i < n; i++)
{ tot_exp = tot_exp + items[i].total_amt;
}
printf("Party exp = %d", tot_exp);
}

Q/p

Enter no. of items 2

Name of item: Lights

Quantity : 50

Price : 20

Total amount : 1000

Name of item: Flowers

Quantity : 20

Price : 50

Total amount : 1000

Party exp : 2000

2) Q/p

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

```
struct student
```

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

```
    int usn;
```

```
    char s1grades[8];
```

```
    char s2grades[8];
```

```
};
```

```
void main ( )
```

```
{  
    int i, bckcr=0;
```

```
    struct student s1;
```

```
    printf ("Enter name: ");
```

```
    scanf ("%s", s1.name);
```

```
    printf ("USN: ");
```

```
    scanf ("%d", &s1.usn);
```

```
    printf ("Semi grades in order: MCS-1\nACD\n
```

```
IEE\nRES\nCAED\nCEN\nSFT\n
```

```
INC\n");
```

```
    for (i=0; i<8; i++)
```

```
{  
        scanf ("%c\n", &s1.s1grades[i]);
```

```
    }
```



```

for (i=0; i<8; i++) printf("Gan 2 grades: ");
if (i<2) printf("In order: MCS-2\nAPS\nTEL\nPOP\nPY\nPWE\nINT\nBLK");

```

```

for (i=0; i<8; i++)
{
    scanf("%c\n", &sl.slgrades[i]);
    for (i=0; i<8; i++)
    {
        if (i<2)
        {
            if (sl.slgrades[i] == 'F')
            {
                bcker = bcker + 4;
            }
        }
        if (i>=2 && i<5)
        {
            if (sl.slgrades[i] == 'F')
            {
                bcker = bcker + 3;
            }
        }
        if (i>=5 && i<8)
        {
            if (sl.slgrades[i] == 'F')
            {
                bcker = bcker + 1;
            }
        }
    }
}
for (i=0; i<8; i++)
{
    if (i<2)
    {
        if (sl.slgrades[i] == 'F')
        {
            bcker = bcker + 4;
        }
    }
}

```

```
if (i >= 2 && i < 5)
```

```
{ if (s1.s2grades[i] == 'F')
```

```
{ bckcr = bckcr + 3;
```

```
}
```

```
if (i >= 5 && i < 8)
```

```
{ if (s1.s2grades[i] == 'F')
```

```
{ bckcr = bckcr + 1;
```

```
}
```

```
}
```

```
if (bckcr >= 16)
```

```
printf("Not eligible");
```

```
else
```

```
printf("eligible");
```

O/p:-

Name of student: Karun

USN: 332

Sem 1 grade in order:

MCs-1 O

ACS A

IEE O

RES A

CAED O

CEN A

SFT B

INC C

Sem-2 grades in order:

MCS-2 F

APS F

IEL F

POP F

PYP F

PWF O

BLK O

IDT O

Not eligible.