

10) #include <stdio.h>

struct party

{

char item[100];

int quantity;

int price;

}

struct party p[10];

void main()

{

int i;

for (i=0; i<2; i++)

{ printf("Enter item name: ");

scanf("%s", p[i].item);

printf("Enter quantity: ");

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

printf("Enter price for each: ");

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

}

int sum = 0;

for (i=0; i<2; i++)

{

sum = sum + (p[i].price);

}

printf("%d is total expense", sum);

}

Output ->

Enter item name: biscuit

Enter quantity: 1

Enter price for each : 50
 Enter item name : colgate
 Enter quantity : 2
 Enter price for each : 100
~~Enter item name : h~~
 250 is total expense.

```
2.) ⇒ #include <stdio.h>
struct student
{
    char name [25];
    int usn;
    char s1g [8];
    char s2g [8];
};

void main()
{
    int i, bcr = 0;
struct student s1;
    printf("Enter name: ");
    scanf("%s", s.name);
    printf("USN: ");
    scanf("%d", &s.usn);
    printf("Sem 1 grades in order: ");
    for (i=0; i<8; i++)
    {
        scanf("%c\n", &s.s1g[i]);
    }

    printf("Sem 2 grades: ");
printf("in order: ");
    for (i=0; i<8; i++)
    {
```

```
scanf ("%d", &n), & s[0]);
```

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

```
{ if (i<2)
```

```
{ if (s[i] == 'P')
```

```
{ bckcr = bckcr + 4;
```

```
}
```

```
}
```

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

```
{ if (s[i] == 'P')
```

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

```
}
```

```
}
```

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

```
{ if (s[i] == 'P')
```

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

```
}
```

```
}
```

```
}
```

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

```
{
```

```
if (i<2)
```

```
{ if (s[i] == 'P')
```

```
{ bckcr = bckcr + 4;
```

```
}
```

```
}
```

```
if (i7 == 2 && i < 5)
```

```
{ if (s.s2[i] == 'F')
```

```
    bcker = bcker + 3;
```

```
if (i7 == 5 && i < 8)
```

```
{ if (s.s2[i] == 'F')
```

```
    bcker = bcker + 1;
```

```
}
```

```
if (bcker >= 16)
```

```
    printf("Not pass");
```

```
else
```

```
    printf("Pass");
```

Output -:

Name of student : Aman

USN : 332

sem 2 grades in order :

D

A

D

A

D

A

B

C

sem 2 grades in order :

F

F

F

F

F

O

O

Not Pass

4.) #include <stdio.h>

struct calc {

float a[10][10];

} c;

void main ()

{ int i, j, n;

printf("Enter the value of n: ");

scanf("%d", &n);

for (i=0; i<n; i++)

{ printf("Enter the distance in inch
and feet for %d : ", i+1);

scanf("%f %f", &c.a[i][0], &c.a[i][1]);

float sum1=0, sum2=0;

for (i=0; i<n; i++)

{ sum1 = sum1 + c.a[i][0];

sum2 = sum2 + c.a[i][1];

printf("%.2f and %.2f is the sum
of inch and feet ", sum1, sum2);

Output:-

Enter the value of n: 2

Enter the distance in inch and feet for 1:

10 3.7

Enter the distance in inch and feet for

Q : 10 5.5

~~Q~~

20.00 and 9.20 is the sum of inch and feet

3/7

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

```
#include <string.h>
```

```
#include <math.h>
```

```
struct student {
```

```
    int roll_no;
```

```
    char name[50];
```

```
    struct Date {
```

```
        int d;
```

```
        int m;
```

```
        int y;
```

```
    } issue_date, today_date;
```

```
};
```

```
int main() {
```

```
    int monthday, extraMonths, totaldays, bookamt;
```

```
    long int fine;
```

```
    struct student a;
```

```
    printf("\n Enter student details \n");
```

```
    printf("Enter Roll no: ");
```

```
    scanf("%d", &a.roll_no);
```

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

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

```
    printf("Enter issue date: ");
```

```
    scanf("%d/%d/%d", &a.issue_date.d, &a.issue_date.m, &a.issue_date.y);
```

```
    &a.date.d, &a.date.m, &a.date.y);
```

month = a.today.date.M - a.issue.M
 days = a.todaydate - a.issue.date;

if (month > 3 || days > 0)
 {
 printf("Enter amount");
 scanf("%d", &bookamt);
 printf("\n need to pay fine);

extramonth = month - 3;
 total_days = extramonth * 30 + days;
 printf("\n fine = %d", fine);

else {
 printf("\n Thank You !");

return 0;

Output :-

Enter Student Details:

Enter Roll-number : 1

Enter name : Ansh

Enter issue-date : 01

01

23

Enter today-date : 03

03

23

Sur
11/12/24