

```
1 #include <stdio.h>
2 #include <stdlib.h>
3
4 int main()
5 {
6     int ciemarks[100];
7     int totalmarks[100];
8     int finalseemarks[100];
9     int n;
0     int subject[100];
1     int seemarks[1000];
2     char grade[1000];
3     printf("Enter the number of subjects details that you want:");
4     scanf("%d",&n);
5     for(int i=0;i<n;i++)
6     {
7         printf("Please enter your CIE marks out of 50 for subject %d : ",(i+1));
8         scanf("%d",&ciemarks[i]);
9         printf("Please enter your SEE marks out of 100 for subject %d : ",(i+1));
0         scanf("%d",&seemarks[i]);
1         finalseemarks[i]=seemarks[i]/2;
2         totalmarks[i]=ciemarks[i]+finalseemarks[i];
3         if(totalmarks[i]>=90 && totalmarks[i]<=100)
4         {
5             grade[i]='S';
6         }
7         else if(totalmarks[i]>=80 && totalmarks[i]<=90)
8         {
9             grade[i]='A';
0         }
1         else if(totalmarks[i]>=70 && totalmarks[i]<=80)
2         {
3             grade[i]='B';
4         }
5         else if(totalmarks[i]>=60 && totalmarks[i]<=70)
6         {
7             grade[i]='C';
8         }
9         else if(totalmarks[i]>=50 && totalmarks[i]<=60)
0         {
1             grade[i]='D';
2         }
3         else
4             grade[i]='E';
5     }
6     for(i=0;i<n;i++)
7     {
8         printf("Grade of subject %d is %c", (i+1), grade[i]);
9     }
0 }
```

```
22 totalmarks[i]=ciemarks[i]+finalseemarks[i];
23 if(totalmarks[i]>=90 && totalmarks[i]<=100)
24 {
25     grade[i]='S';
26 }
27 else if(totalmarks[i]>=80 && totalmarks[i]<=90)
28 {
29     grade[i]='A';
30 }
31 else if(totalmarks[i]>=70 && totalmarks[i]<=80)
32 {
33     grade[i]='B';
34 }
35 else if(totalmarks[i]>=60 && totalmarks[i]<=70)
36 {
37     grade[i]='C';
38 }
39 else if(totalmarks[i]>=50 && totalmarks[i]<=60)
40 {
41     grade[i]='D';
42 }
43 else if(totalmarks[i]>=40 && totalmarks[i]<=50)
44 {
45     grade[i]='E';
46 }
47 else
48 {
49     grade[i]='F';
50 }
51
52 for(i=0;i<n;i++)
53 {
54     cout<<grade[i];
55 }
```

```
        else if(totalmarks[i]>=60 && totalmarks[i]<=70)
    {
        grade[i]='C';
    }
    else if(totalmarks[i]>=50 && totalmarks[i]<=60)
    {
        grade[i]='D';
    }
    else if(totalmarks[i]>=40 && totalmarks[i]<=50)
    {
        grade[i]='E';
    }
    else
    {
        grade[i]='F';
    }
}
for(int i=0;i<n;i++)
{
    printf("\n*****STUDENT GRADE SHEET *****");
    printf("\nYour grade in subject %d : ",(i+1));
    printf("%c",grade[i]);
}
return 0;
}
```

```
C:\Users\admin\Documents\Grade_calculation_OOJ_lab\bin\Debug Grade_calculation_OOJ_lab.exe
Enter the number of subjects details that you want:2
Please enter your CIE marks out of 50 for subject 1 : 40
Please enter your SEE marks out of 100 for subject 1 : 90
Please enter your CIE marks out of 50 for subject 2 : 20
Please enter your SEE marks out of 100 for subject 2 : 30

*****STUDENT GRADE SHEET *****
Your grade in subject 1 :A
*****STUDENT GRADE SHEET *****
Your grade in subject 2 :F
Process returned 0 (0x0) execution time : 22.065 s
Press any key to continue.
```