

# Assignment 4

## Code

```
main.c
1  /*Write a program using Switch Case:
2  Press 1: To print the details of the student such as roll number;
3  Press 2: Print total marks obtained (5 subject);
4  Press 3: Print % of marks obtained by student
5  Press 4: Print Grade of the student
6  Default: Wrong input*/
7
8  #include <stdio.h>
9
10 int main()
11 {
12     int roll,mark_1,mark_2,mark_3,mark_4,mark_5,total,percent,x;
13     printf("Enter the Roll No. of the Student : ");
14     scanf("%d",&roll);
15     printf("Enter Marks of 1st Subject : ");
16     scanf("%d",&mark_1);
17     printf("Enter Marks of 2nd Subject : ");
18     scanf("%d",&mark_2);
19     printf("Enter Marks of 3rd Subject : ");
20     scanf("%d",&mark_3);
21     printf("Enter Marks of 4th Subject : ");
22     scanf("%d",&mark_4);
23     printf("Enter Marks of 5th Subject : ");
24     scanf("%d",&mark_5);
25
26     total = mark_1+mark_2+mark_3+mark_4+mark_5;
27     percent = (total)/5;
28
29     printf("Press 1: To print the details of the student such as roll number \n");
30     printf("Press 2: Print total marks obtained (5 subject) \n");
31     printf("Press 3: Print %% of marks obtained by student \n");
32     printf("Press 4: Print Grade of the student\n");
33     scanf("%d",&x);
34 }
```

```
34
35 ▾ switch(x){
36 case 1:
37 ▾ {
38     printf("The Roll No. of the Student is %d",roll);
39     break;
40 }
41 case 2:
42 ▾ {
43     printf("Total Marks Obtained is %d",total);
44     break;
45 }
46 case 3:
47 ▾ {
48     printf("%% of Marks Obtained is %d",percent);
49     break;
50 }
51 case 4:
52 ▾ {
53     if(percent<=100 && percent>75)
54         printf("Grade A");
55     else if(percent<=75 && percent>65)
56         printf("Grade B");
57     else if(percent<=65 && percent>55)
58         printf("Grade C");
59     else if(percent<=55 && percent>45)
60         printf("Grade D");
61     else if(percent<=45 && percent>40)
62         printf("Pass");
63     else
64         printf("Fail");
65     break;
66 }
67 default:
68     printf("Wrong Input");
69 }
70
71 return 0;
72 }
```

## Output

```
Enter the Roll No. of the Student : 50
Enter Marks of 1st Subject : 60
Enter Marks of 2nd Subject : 70
Enter Marks of 3rd Subject : 80
Enter Marks of 4th Subject : 90
Enter Marks of 5th Subject : 100
Press 1: To print the details of the student such as roll number
Press 2: Print total marks obtained (5 subject)
Press 3: Print % of marks obtained by student
Press 4: Print Grade of the student
2
Total Marks Obtained is 400

...Program finished with exit code 0
Press ENTER to exit console.□
```