

Assignment 3

Code 1

```
main.c
1 //Write a program to find whether a given input is even or odd number.
2
3 #include <stdio.h>
4
5 int main()
6 {
7     int x,y;
8     printf("Enter a Number : \n");
9     scanf("%d",&x);
10    y=(x%2);
11
12    if(y==1)
13        printf("%d is Odd a Number",x);
14    else
15        printf("%d is Even a Number",x);
16
17    return 0;
18 }
19
```

Output

```
Enter a Number :
50
50 is Even a Number

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

Code 2

```
main.c
1  /*Write a program to enter the marks of 5 subjects,
2  compute the average, and find the grade obtained by the student.
3  75<=Grade A<=100
4  65<=Grade B <75
5  55<=Grade C <65
6  45<=Grade D <55
7  40<= Pass <45
8  Fail; otherwise.*/
9
10 #include <stdio.h>
11
12 int main()
13 {
14     int a,b,c,d,e,avg;
15     printf("Enter 1st Subject Marks:\n");
16     scanf("%d",&a);
17     printf("Enter 2nd Subject Marks:\n");
18     scanf("%d",&b);
19     printf("Enter 3rd Subject Marks:\n");
20     scanf("%d",&c);
21     printf("Enter 4th Subject Marks:\n");
22     scanf("%d",&d);
23     printf("Enter 5th Subject Marks:\n");
24     scanf("%d",&e);
25
26     avg=((a+b+c+d+e)/5);
27
28     if(avg<=100 && avg>=75)
29         printf("Grade A");
30     else if(avg<75 && avg>=65)
31         printf("Grade B");
32     else if(avg<65 && avg>=55)
33         printf("Grade C");
34     else if(avg<55 && avg>=45)
35         printf("Grade D");
36     else if(avg<45 && avg>=40)
37         printf("Pass");
38     else
39         printf("Fail");
40
41     return 0;
42 }
43
```

Output

```
Enter 1st Subject Marks:
95
Enter 2nd Subject Marks:
98
Enter 3rd Subject Marks:
85
Enter 4th Subject Marks:
70
Enter 5th Subject Marks:
75
Grade A

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