Array Program 2

Write a program to read marks of 5 students. Calculate sum and average using Arrays.

```
void main()
{
    float marks[5];
    float sum = 0, avg;
    int i;
    printf("Enter the marks of 5 students:\n");
    for(i=0; i<5; i++)
    scanf("%f", &marks[i]
        for(i=0; i<5; i++)
        .sum = sum + marks[i];
        avg = sum/5;
        printf("sum of marks :%f", sum);
        printf("Average of marks:%f", avg);
        getch();
}
```

%.0.2
%.0.2

process decimal point digits after point

O/P:-

```
Enter marks 5 Studer:
34
56.3
45
43.5
56.5
Sum = 235.20012
avg = 47.04001
```

sum

| 0 |

i

| Y | 7 8 4 5

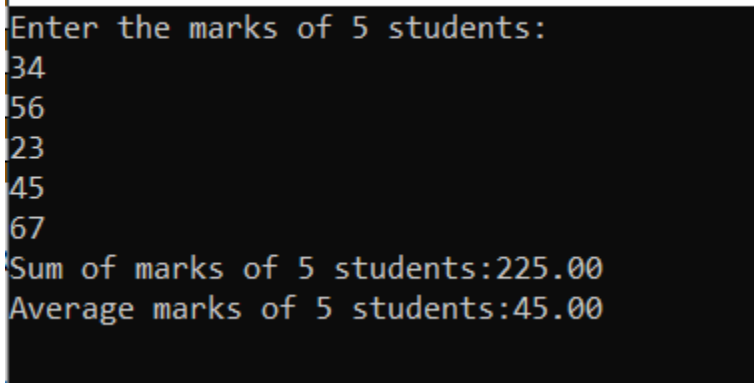|	0	1	2	3	4
	34	56.5	45	43.5	56.5

marks.

avg

| |

CODE 1:

```c
1    #include <stdio.h>
2    #include <stdlib.h>
3    /** 2 - ARRAY PROGRAM **/
4    /** READ MARKS OF 5 STUDENTS AND PRINT SUM & AVERAGE OF MARKS  **/
5    int main()
6    {
7        float marks[5];
8        float sum=0,avg;
9        int i;
10       printf("Enter the marks of 5 students:\n");
11       for(i=0;i<5;i++)
12        scanf("%f",&marks[i]);
13       for(i=0;i<5;i++)
14        sum=sum+marks[i];
15        avg=sum/5;
16       printf("Sum of marks of 5 students:%0.2f\n",sum); // %0.2f precesion
17       printf("Average marks of 5 students:%0.2f\n",avg); // %0.2f precesion
18       getch();
19   }
20
```

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```
Enter the marks of 5 students:
34
56
23
45
67
Sum of marks of 5 students:225.00
Average marks of 5 students:45.00
```