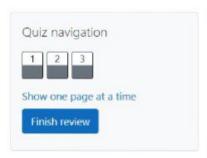
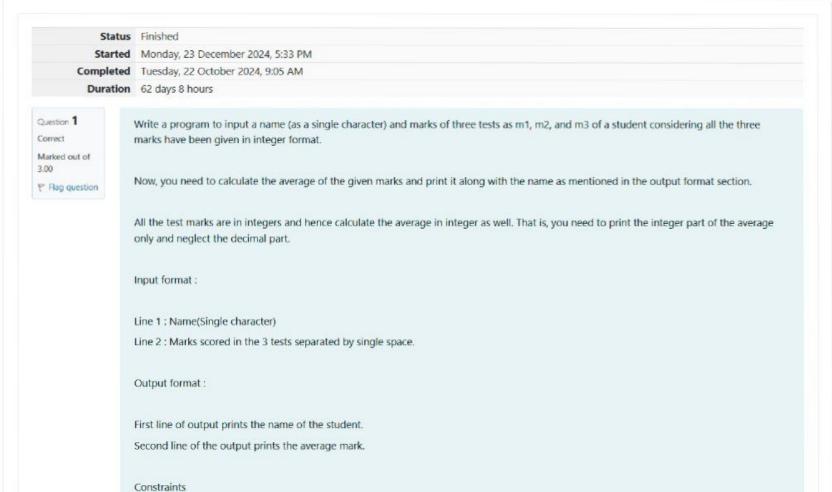
## GE23131-Programming Using C-2024



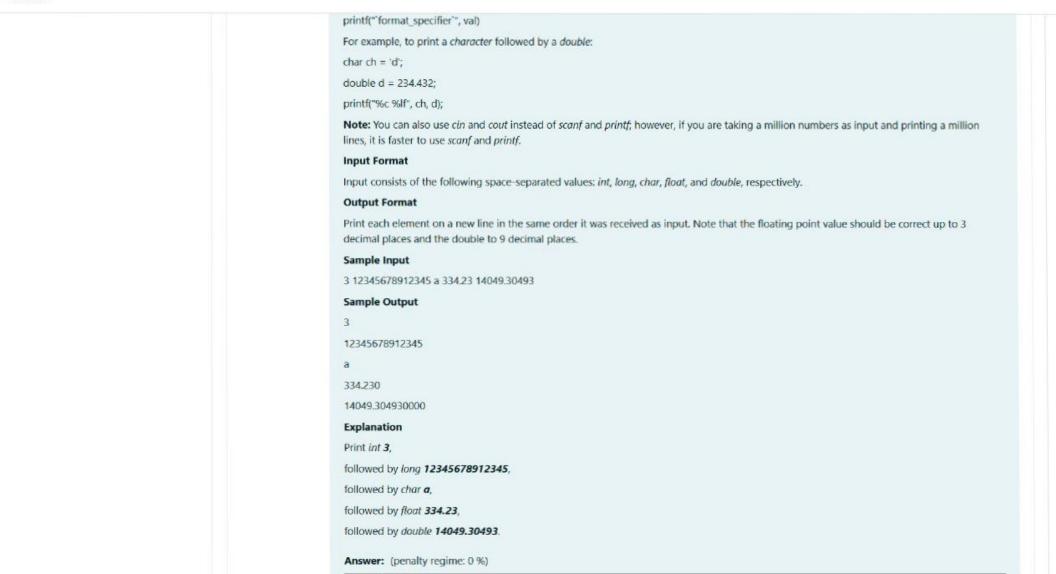


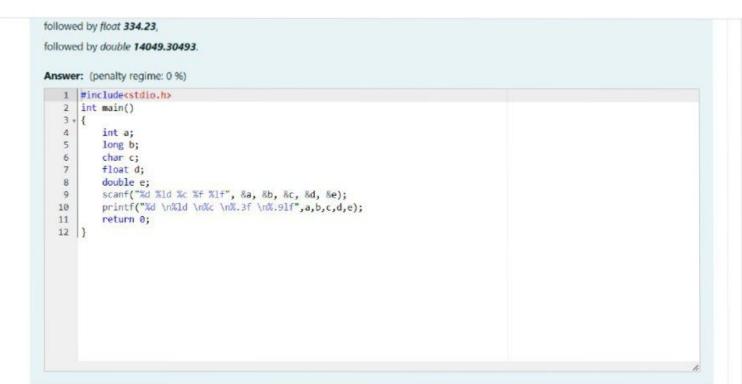
1100 000	
	First line of output prints the name of the student.
	Second line of the output prints the average mark.
	Constraints
	Marks for each student lie in the range 0 to 100 (both inclusive)
	mana to can state the state of
	Sample Input 1:
	Sample input 1.
	A
	3 4 6
	Sample Output 1:
	A
	4
	Sample Input 2:
	are
	738
	Sample Output 2 :
	1
	6

```
Answer: (penalty regime: 0 %)
  1 #include<stdio.h>
    int main()
 3 + {
        char a;
        int m1, m2, m3, avg;
        scanf("%c",&a);
        scanf("%d %d %d", &m1, &m2, &m3);
        if(m1>100 || m2>100 || m3>100)
           printf("value is out of limits");
10
11
           return 0;
12
13
        else
14 .
15
            avg=(m1+m2+m3)/3;
            printf("%c",a);
16
17
            printf("\n%d",avg);
18
            return 0;
19
20
```

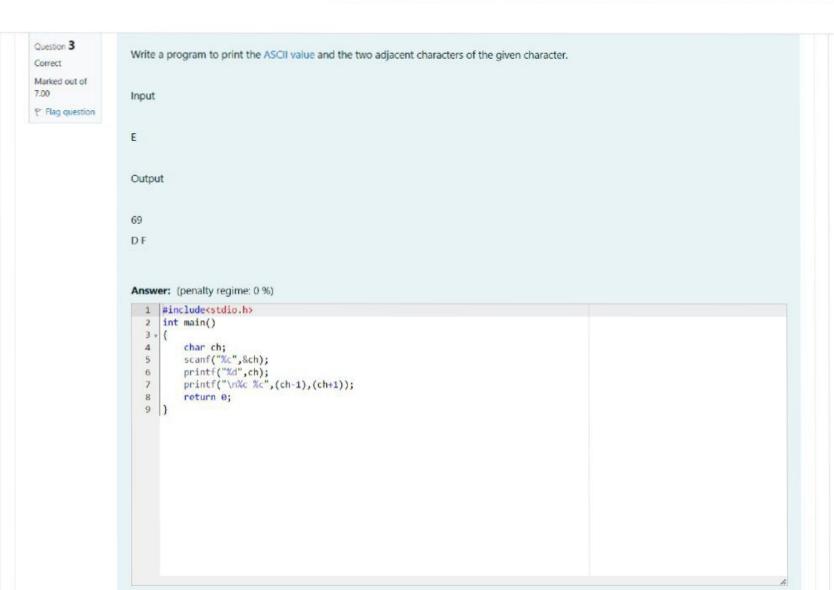
	Input	Expected	Got	
~	A	A	A	
	3 4 6	4	4	
~	Т	T	т	~
	7 3 8	6	6	
~	R	R	R	~
	0 100 99	66	66	

Question 2 Some C data types, their format specifiers, and their most common bit widths are as follows: Correct Int ("96d"): 32 Bit integer Marked out of Long ("96ld"): 64 bit integer 5.00 Char ("%c"): Character type P Flag question Float ("%f"): 32 bit real value Double ("%lf"): 64 bit real value Reading To read a data type, use the following syntax: scanf("'format\_specifier'", &val) For example, to read a character followed by a double: char ch; double d: scanf("%c %lf", &ch, &d); For the moment, we can ignore the spacing between format specifiers. **Printing** To print a data type, use the following syntax: printf("'format\_specifier'", val) For example, to print a character followed by a double: char ch = 'd'; double d = 234.432: printf("%c %lf", ch, d); Note: You can also use cin and cout instead of scanf and printfr, however, if you are taking a million numbers as input and printing a million lines, it is faster to use scanf and printf. Input Format Input consists of the following space-separated values: int, long, char, float, and double, respectively.





	Input	Expected	Got	
~	3 12345678912345 a 334.23 14049.38493	3 12345678912345 a 334.230 14049.304930000	3 12345678912345 a 334.230 14049.304930000	~





E 69	9	69	~
D		DF	*
D			

Finish review