GE23131-Programming Using C-2024

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Status	Finished
Started	Monday, 23 December 2024, 5:33 PM
Completed	Saturday, 9 November 2024, 2:16 PM
Duration	44 days 3 hours

Question **1**

Correct

Marked out of 3.00

Flag question

Write a program to input a name (as a single character) and marks of three tests as m1, m2, and m3 of a student considering all the three marks have been given in integer format.

Now, you need to calculate the average of the given marks and print it along with the name as mentioned in the output format section.

All the test marks are in integers and hence calculate the average in integer as well. That is, you need to print the integer part of the average only and neglect the decimal part.

Input format :

Line 1 : Name(Single character)

Line 2 : Marks scored in the 3 tests separated by single space.

Output format :

Second line of the output prints the average mark.

Constraints

Marks for each student lie in the range 0 to 100 (both inclusive)

Sample Input 1 :

A
3 4 6

Sample Output 1 :

A
4

Sample Input 2 :

T
7 3 8

Sample Output 2 :

T

Answer: (penalty regime: 0 %)

```c
#include<stdio.h>
int main()
{
    char name;
    int m1,m2,m3;
    scanf("%c",&name);
    scanf("%d%d%d",&m1,&m2,&m3);
    printf("%c\n",name);
    printf("%d",(m1+m2+m3)/3);
    return 0;
}
```

	Input	Expected	Got	
✓	A 3 4 6	A 4	A 4	✓
✓	T 7 3 8	T 6	T 6	✓
✓	R 0 100 99	R 66	R 66	✓

Question **2**

Incorrect

Marked out of 5.00

Flag question

Some *C* data types, their format specifiers, and their most common bit widths are as follows:

- *Int ("%d"):* 32 Bit integer
- *Long ("%ld"):* 64 bit integer
- *Char ("%c"):* Character type
- *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);

use *scanf* and *printf*.

Input Format

Input consists of the following space-separated values: *int*, *long*, *char*, *float*, and *double*, respectively.

Output Format

Print each element on a new line in the same order it was received as input. Note that the floating point value should be correct up to 3 decimal places and the double to 9 decimal places.

Sample Input

3 12345678912345 a 334.23 14049.30493

Sample Output

3

12345678912345

a

334.230

14049.304930000

Explanation

Print *int* ***3***,

followed by *long* ***12345678912345***,

followed by *char* ***a***,

followed by *float* ***334.23***,

followed by *double* ***14049.30493***.

Answer: (penalty regime: 0 %)

```
#include<stdio.h>
int main()
{
    int b;
```

```
    double e;
    scanf("%d%ld%c%f%lf",&b,&c,&ch,&d,&e);
    printf("%d",b);
    printf("\n%ld",c);
    printf("\n%c",ch);
    printf("\n%.3f",d);
    printf("\n%.9f",e);
    return 0;
}
```

	Input	Expected	Got	
✗	3 12345678912345 a 334.23 14049.30493	3 12345678912345 a 334.230 14049.304930000	3 12345678912345 0.000 0.000000000	✗

Some hidden test cases failed, too.

Your code must pass all tests to earn any marks. Try again.

Show differences

Question **3**

Correct

Marked out of 7.00

Write a program to print the ASCII value and the two adjacent characters of the given character.

E

Output

69

D F

Answer: (penalty regime: 0 %)

```c
#include<stdio.h>
int main()
{
    char ch;
    scanf("%c",&ch);
    int ascii=(int)ch;
    char prev=ascii-1;
    char next=ascii+1;
    printf("%d",ascii);
    printf("\n%c",prev);
    printf(" %c",next);
    return 0;
}
```

✓	E	69 D F	69 D F	✓

Passed all tests! ✓

Finish review