GE23131-Programming Using C-2024

Status Finished
Started Monday, 23 December 2024, 5:33 PM
Completed Tuesday, 22 October 2024, 4:28 PM
Duration 62 days 1 hour

Question **1**

Correct
Marked out of 3.00

Flag question

Question text

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 :

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)

Sample Input 1 :

A

3 4 6

Sample Output 1 :

A

4

Sample Input 2 :

T

7 3 8

Sample Output 2 :

T

6

Answer:(penalty regime: 0 %)

```c
 1  #include <stdio.h>
 2  int m1,m2,m3;
 3  char a;
 4  int main( ){
 5      scanf("%c",&a);
 6      scanf("%d %d %d",&m1,&m2,&m3);
 7      printf("%c\n",a);
 8      printf("%d",(m1+m2+m3)/3);
 9      return 0;
10  }
```

Feedback

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

Passed all tests!

Question 2

Incorrect
Marked out of 5.00
Flag question

Question text

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);

Note: You can also use *cin* and *cout* instead of *scanf* and *printf*; 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.

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 %)

```
1  #include <stdio.h>
2  int main()
3  {
4      int i;
5      long l;
```

```
 6        char c;
 7        float f;
 8        double d;
 9        scanf("%d %ld %c %f %lf, &i,&l,&c,&f,&d);
10        print("%d\n", i);
11        print("%ld\n", l);
12        print("%c\n", c);
13        print("%.3f\n", f);
14        print("%.9lf\n", d);
15        return 0;
16    }
```

Feedback

Syntax Error(s)

```
__tester__.c: In function 'main':
__tester__.c:9:11: error: missing terminating " character [-Werror]
    9 |     scanf("%d %ld %c %f %lf, &i,&l,&c,&f,&d);
      |           ^
__tester__.c:9:11: error: missing terminating " character
    9 |     scanf("%d %ld %c %f %lf, &i,&l,&c,&f,&d);
      |           ^~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
__tester__.c:10:5: error: implicit declaration of function 'print'; did you mean 'printf'? [-Werror=implicit-function-declaration]
   10 |     print("%d\n", i);
      |     ^~~~~
      |     printf
__tester__.c:10:21: error: expected ')' before ';' token
   10 |     print("%d\n", i);
      |                     ^
      |                     )
__tester__.c:9:10: note: to match this '('
    9 |     scanf("%d %ld %c %f %lf, &i,&l,&c,&f,&d);
      |          ^
__tester__.c:10:5: error: passing argument 1 of 'scanf' makes pointer from integer without a cast [-Werror=int-conversion]
   10 |     print("%d\n", i);
      |     ^~~~~~~~~~~~~~~~
      |     |
      |     int
In file included from __tester__.c:1:
/usr/include/stdio.h:421:42: note: expected 'const char * restrict' but argument is of type 'int'
  421 | extern int scanf (const char *__restrict __format, ...) __wur;
      |                   ~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~
__tester__.c:16:1: error: format not a string literal and no format arguments [-Werror=format-security]
   16 | }
      | ^
__tester__.c:15:14: error: expected ';' before '}' token
   15 |     return 0;
      |              ^
      |              ;
   16 | }
      | ~
__tester__.c:8:12: error: unused variable 'd' [-Werror=unused-variable]
    8 |     double d;
      |            ^
__tester__.c:7:11: error: unused variable 'f' [-Werror=unused-variable]
    7 |     float f;
      |           ^
__tester__.c:6:10: error: unused variable 'c' [-Werror=unused-variable]
    6 |     char c;
      |          ^
__tester__.c:5:10: error: unused variable 'l' [-Werror=unused-variable]
    5 |     long l;
      |          ^
cc1: all warnings being treated as errors
```

Question 3

Not answered
Marked out of 7.00
[?]Flag question

Question text

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

Input

E

Output

69

D F

Answer:(penalty regime: 0 %)

```
1
```

Finish review

Blocks

Quiz navigation

Finish review

Blocks