**Problem**:

Practice writing printf statements.

You will write several printf statements to achieve the results below, including the line spacing. There is no room for creativity in this assignment. I want you to be able to control your print output to a specification.

*Start your code with:*

**/\*--------------\*/**

**/\* Your Name \*/**

**/\* Lab 3 \*/**

**#include <stdio.h>**

**#include <stdlib.h>**

**int main(void)**

**{**

**int age = 25;** *// You must use this variable*

**double average = 246.7531986;**

* Obviously, your output will not say **bielr** on it.
* I want the line spacing just as it appears below.
* Yes, you may move the starting brace to the end of the line above if you desire.
* **Write one printf for each line that appears below**.
* Regarding the quote and its attribution, you may do it in either one or two printf statements.
* When printing **average**, you must use both a total *width* and the *after-the-decimal-point value* in your conversion specifier.
* Remember to print your name and “Lab 3” in the output.

**Output:**

**[bielr@athena lab3]>** a.out

Ruthann Biel. Lab 3.

The dog ran quickly.

Joe is 25 years old.

"So many books, so little time."

- Frank Zappa

The average = 246.8

The average = 246.753

The average = 2.47e+02

**[bielr@athena lab3]>**

* more on next page

**Preparing your work for grading:**

When all is well and correct,

type: **script StudentName\_lab3.txt** Script will keep a log of your session.

At the prompt, type: **cat lab3.c** to display the code in your session.

At the prompt, type: **gcc lab3.c**  to compile the program.

At the prompt, type: **a.out** to run the program.

After the program run is complete, type: **exit** to leave the session.

PS: If you don’t type **exit** to leave your script session, you will end up with an empty file.

**STEP 7: Turn in your completed session.**

Go to Canvas and turn in your script session (**StudentName\_lab3.txt**).

Worth 14 points.