**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. Use the quote that is given below.

*Start your code with (Approximate the number of dashes):*

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

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

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

**#include <stdio.h>**

**#include <stdlib.h>**

**int main(void)**

**{**

**int age = 22;** *// You must use this variable*

**double average = 246.23689;**

* Obviously, your output (shown below) 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.
* Do **not** use a different quote for this assignment.
* When printing the friend’s age, write the printf so it will only print 2 digits.
* 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.

Jane went to the store.

My friend is 22 years old.

"So many books, so little time."

- Frank Zappa

The average = 246.2

The average = 246.237

The average = 2.46e+02

**[bielr@athena lab3]>**

**Preparing your work for grading:**

When all is well and correct,

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

type: **gcc lab3.c** to compile the program.

type: **a.out** to run the program.

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.

**Turn in your completed session.**

Go to Canvas and turn in two files:

1. lab3.c
2. StudentName\_lab3.txt

Worth 14 points.

**Reading Assignment:**

Read the Power Point files named **C-3 ControlStructures** and **C-4 Loops**

Mostly you will all know the concepts of the material. You just need to pay attention to “how to spell it”. I will give everyone a few points for this. There is nothing to turn in.

You should have read these before you start on Lab 4.