Homework #11
ENGR 0711/0016 - Fall 2017

Due: Wednesday, November 1

Your task: This assignment is to get you familiar with data types and the I/O commands. Design, a very basic C code that

1) Displays the name of the class, your group number, your class section, and the names of your group members and the date. Have each piece of information on a new line. You will reuse this part of the code for every future homework assignment.

2) Write the code to display these paragraphs:

The first \n puts the text on a new line, the double slash by the \n is needed to allow the printing of the \n in this printout. If you want to add a tab in the print out you insert \t it will tab the text as shown here.

Sometimes it is nice to print out text in "double quotes", this requires the double quote escape sequence ". Sometimes it is nice to print out text in 'single quotes', this requires the single quote escape sequence '\'.

Want to printout a % sign you need to use the escape sequence "%%", do you understand the code required to print this sequence out?\n
Finally, notice all the single slashes '\' at the end of each line. These allow you to wrap the printf string to the next line for easy or reading. Make a bell ring at this point. Did you hear the bell ring?

3) Write the code to read in the following variables:
   A = 1, B = 2.34, C = f.
   Define A as an int, B as a double and C as a char.
   Then print out each variable, in a user friendly manner.
   Then print out each variable using a int format type.
   Then print out each variable using a double format type.
   Then print out each variable using a char format type.
   What happens? Remember this.

4) Define the following array within the c program, and print it out in a user friendly manner:
   \[
   G = \begin{bmatrix}
   3 & 5 & 8 & 9 \\
   \end{bmatrix}
   \]

5) Define the following array within the c program and print it out in a user friendly manner:
   \[
   H = \begin{bmatrix}
   4.4 & 5.5 \\
   6.6 & 7.7 \\
   \end{bmatrix}
   \]

Turn in:
cpp file