**CECS 130-01**
**Spring 2017**
**Lab 1**
**Lab Assignment due between 2:30 - 4:00 pm Tuesday January 17, 2017**
Please and follow the instructions below very carefully

**Demos** (To be done by lab Instructors)**:**

1. Create a program that uses two integer variables, one representing the temperature in degrees Fahrenheit and other representing temperature in degrees Celsius. User the formula:
   celsius = 5(Fahrenheit - 32)/9
   to convert 32 deg. F. to Celsius and the 220 deg. F. to Celsius.

2. Create a program that will display a calendar for the January 2017 using the \t (tab) escape sequence and the \n (carriage\return) escape sequence. Make sure you use the __FILE__ and the __LINE__ system variable to illustrate their use in program debugging.

**Lab Assignment** (To be uploaded by the student prior to leaving the lab):

1 . Knowing that one foot is equal to 30 centimeters ( centimeters = 30feet), write and run a computer program that has two integer variables, one to represent the distance in feet and one to represent the distance in centimeters and use the formula
   centimeters = 30feet
   to calculate and print a line showing the feet measure and the corresponding centimeter measure when number of feet is 3, e.g.
   3 feet = 90 Centimeters

**Home Assignment** (To be uploaded by the student by 9:00 pm Friday Jan. 27)**:**

Homework problems will be posted by Dr. Imam on Friday January 20th.

**A note about assignments and reports:**

Your presentation in your reports and assignments reflects great deal about you, your understanding of the assignment and on how much this course means to you. I try very hard to look at the substance of the report but I will be lying if I said that presentation does not influence my judgment. It would be wise on your part to assume that this true in every course at school and in real life/work. I expect your reports to be well formed and conform to the following rules:

1. ***First and above all, I will not accept any late assignments and I will not accept any assignments by email. All submissions must be via Blackboard and on time.***
2. All reports have to be submitted as a **PDF** report that contains:
   2.1. Title page with your name, assignment number and the day you are actually submitting this report (Not the assignment due date)
   2.2. A comprehensive set of snapshots showing the inputs submitted and outputs obtained in the case of a successful output or a failure.
3. A C/CPP source code file for each programming problem and each must be named problem_n.cpp where nn is the problem number.
4. Make sure that you include as a comment at the top of your file your name and section:
   As an example:

```
/*************************/
/* John Q. Public        */
/* CECS 130-11           */
/* Assignment 35         */
/*************************/
```

   Failure to do this will cost you points.
5. Please zip both the PDF document with the source code files in one zip files that must be named as lastName_firstName_nn.zip where nn is the assignment number, e.g. my zip file for assignment 3 should be called “imam_ibrahim_03.zip”.
6. Please do not submit your eclipse or bloodshed project or any IDE project that you may be using. I will be compiling and testing your source code from the text file in part 2 above to test running your applications and to verify that they run.
7. If you do not follow the instructions above I will not grade your homework and you will get a grade of 0 (zero)