CPS 171   Machine Problem 0   Due Date: 1/14/2015 (end of class today)

Start the Microsoft Visual C++.NET software and create a new project called MP0
  - See the handout *Instructions for Using Visual C++.NET*

<u>Type in</u> the program below and replace the suggestions inside the parentheses with the appropriate information. When you have completed the program compare it to the original program and make any changes that are not like the original. ***Compile*** the program and correct any syntax errors that are mentioned.   Try to see if you can figure out what the errors mean when you compare your version with the one listed below. Be careful as each symbol is important.   When the compilation is successful, ***build*** and ***run*** your program.   The last step after you have successfully done the steps above is to ***print*** out the program and print a copy of the output. (Your instructor will show you how to get a printed copy of the output). Make a back-up copy of your program by **Saving** it on your thumbdrive.   Both the printed program and the corresponding output should be turned in.

```cpp
//****************************************
// Filename: MP0.cpp
// Programming Assignment Zero for CPS 171
// (your name)
// (today's date)
//****************************************
// FreezeBoil program
// This program computes the midpoint between
// the freezing and boiling points of water

#include <iostream>

using namespace std;

const float FREEZE_PT = 32.0;      //Freezing point of water
const float BOIL_PT = 212.0;       // Boiling point of water

int main()
{    float avgTemp;                          // Holds the result of averaging
                                             // FREEZE_PT and BOIL_PT

     cout << " (your name) " << endl;
     cout << " Water freezes at " << FREEZE_PT << endl;
     cout << " and boils at " << BOIL_PT << " degrees." << endl;

     avgTemp = FREEZE_PT + BOIL_PT;
     avgTemp = avgTemp / 2.0;

     cout << "Halfway between is ";
     cout << avgTemp << " degrees." << endl;

     return 0;
}
```