**Department of Electrical and Computer Engineering**

Homework Assignment No. XX:

**Title of the Assignment**

submitted to:

Professor Joseph Picone

ECE 3822: Software Tools for Engineers

Temple University

College of Engineering

1947 North 12th Street

Philadelphia, Pennsylvania 19122

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prepared by:

John Smith
Email: jsmith@temple.edu

**\*\*\* CUT AND PASTE THE HOMEWORK ASSIGNMENT HERE \*\*\***

# Description

Briefly describe the general approach that you used to solve the problem(s). Show snippets of code and explain how this code works.

Note that you SHOULD NOT include screen shots as bitmaps. They must be included by inserting text into textboxes as shown in Figure 1 below.

# Results

Discuss your results and demonstrate that your code is working. Start with small test cases where you compute the answers by hand and show that your code produces the correct results. Then run your code on the full data set and provide your results.

# Summary

Briefly describe what you learned from this assignment and ways you could improve your code.

# Appendix

Code listings go here **NICELY** formatted.

// function: all\_labels\_match

//

// arguments:

// char\*\* labls\_1\_a: an array of labels for one edf

// char\*\* labls\_2\_a: an array of labels for one edf

// long n\_chan\_a: how many labels to compare (corresponds to size of array)

//

// return:

// a boolean indicating if all labels matched.

//

bool all\_labels\_match(char\*\* labls\_1\_a, char\*\* labls\_2\_a, long n\_chan\_a) {

 for (int i = 0; i < n\_chan\_a; i++) {

 if (strcmp(labls\_1\_a[i], labls\_2\_a[i]) != 0) {

 return false;

 }

 }

 return true;

}

Figure 1. An example of how code should be displayed in a textbox.