Lab Report #5:

mbed Programming Introduction

**Authors:** Midshipman 3/C **First Last Name** and Midshipman 3/C **First Last Name**   
**Course:** SY202 Cyber Systems Engineering

**Enclosures:** (1) Pseudocode

(2) Required mbed code

(3) Extra Credit pseudocode and mbed code (if attempted)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Metric** | **Weight** | **Quality** | | | | | **Max**  **Score** | **Midn**  **Score** |
| **0** | **1** | **2** | **3** | **4** |
| Use of Lab Template | 1 | No |  | Partially |  | Yes | 4 |  |
| Functioning Code | 5 | Code does not perform any required functions |  | Problem requirements partially demonstrated |  | mbed code accomplishes all problem requirements | 20 |  |
| Introduction | 1 | Problem, purpose, and objectives are unclear |  | Problem stated but purpose/objectives unclear |  | Well discussed | 4 |  |
| Procedure | 1 | Does not discuss code operation or testing. |  | Incomplete discussion of code operation or testing |  | Comprehensive yet concise discussion of code operation and testing | 4 |  |
| Comments | 1 | Not included |  | Included but not accurate or vague |  | Included and cohesively addressed the results | 4 |  |
| Enclosures | 2 | None included |  | Some included or incorrect |  | All included and correct | 4 |  |
| Grammar, organization, & Professionalism | 1 | Poor grammar and use of slang |  |  |  | Professional writing | 4 |  |
| **Total Points** | | | | | | | **48** |  |
| **Normalized Report Score = (Total Point / 48) x 50** | | | | | | **Letter Grade:** | **50** |  |
| **Extra Credit (Add to Normalized Report Score):** | | | | | | | **12** |  |
| **Final Score** | | | | | | | **50** |  |

Instructions: **ERASE the instructions that are given in red**.

# Introduction

In brief, describe the purpose and objective of the lab. This section should not be more than 2 paragraphs.

# Procedures

Summarize the development and testing of the code. This section should not be more than 3-4 paragraphs.

# Comments

Summarize any challenges that you overcame. Include what you learned and how the lab can be improved. Provide the average additional time required to complete the extra credit (if attempted).