

Laboratory Session 2

1.1 Pre-Laboratory Report

Due Date Week of September 6th-September 10th, 2021 in lab section. Submit report electronically before start of Lab via Blackboard (check assignments folder)

Format Follow the Pre-Laboratory Report Template found on Blackboard

Content Sections to be included in the Pre-Laboratory Report include

1. **Header**
2. **Problem Statement**
3. **Research & Investigation**
4. **Alternative Solutions**
5. **Optimum Solution (with flowcharts)**
6. **Sources/Works Cited**
7. **Code Attachments**

Additional Task Create Flowcharts for the code to be generated in Laboratory 2

- a. Make 1 flowchart for the sample code that you have been provided in the Research & Investigation section
- b. Make 1 flowchart for your Optimal Solution
- c. You can use PowerPoint, or any other software, to create your flowcharts
- d. Your flowcharts should use simple English, not IC syntax
- e. Include the flowchart in the Optimum Solution section of your Pre-Lab report

Additional Task Begin implementing code for use in Laboratory 2

1.2 Post-Laboratory Report

Due Date Week of September 13th-September 17th, 2021 in lab section. Submit report electronically before start of Lab via Blackboard (check assignments folder)

Format Follow the Post-Laboratory Report Template found on Blackboard

Content Sections to be included in the Pre-Laboratory Report include

1. **Header**
2. **Problem Statement**
3. **Research & Investigation**
4. **Alternative Solutions**

5. **Optimum Solution**
6. **Analysis & Testing**
7. **Final Evaluation**
8. **Sources/Works Cited**
9. **Code Attachments (as needed)**