**Report for Laboratory Exercise XX: Title**

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**Abstract.** The abstract

# Description

# Briefly describe the major tasks performed by the program, including any limitations in the program’s capability. Explain the functions of the main program and of each function. Graph the hierarchical structure, showing how subprograms are called and how in turn further subprograms are called. Explain any algorithms.

# Testing

# State precisely the procedure for testing the program. The tests should not be unnecessarily extensive but should be adequate to confirm that all major functions perform correctly. A code tester will attempt to follow your test procedure exactly. Each step should be explained with enough detail that someone knowing nothing about the experiment could carry it out. For each step, state what results should occur. For example, state what keyboard or electrical inputs should be applied, and how when and what outputs should be observed to confirm the program function. If the results are not as desired, state what they should be.

# Results

# Briefly discuss the results of your experiment. State how successfully the program runs, noting any unsolved problems. Answer any specific questions suggested in the assignment. Suggest possible improvements, such as extensions to the program beyond what is required, that might be made with more time.

# Source listing

# Include a listing of the contents of the source file (main.c)