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**Lab 3 Report**

\*Note: Please upload a PDF version of your lab report and make sure all the answers are readable.

**Summary:**

**10pts**

**Lab Questions:**

**3.1:**

**6pts** To make sure the main terminates before the threads finish,

add a sleep(5) statement in the beginning of the thread functions.

Can you see the threads' output? Why?

**2pts** Add the two *pthread\_join*statements just before the printf statement in

main. Pass a value of NULL for the second argument. Recompile and rerun the program. What is the output? Why?

**2pts** Include your commented code.

**3.2:**

**3.2.1:**

**2pts** Compile and run t1.c, what is the output value of v?

**8pts** Delete the *pthread\_mutex\_lock* and *pthread\_mutex\_unlock* statement in both increment and decrement threads. Recompile and rerun t1.c, what is the output value of v? Explain why the output is the same, or different.

**3.2.2:**

**10pts** Include your modified code with your lab submission and comment

on what you added or changed.

**3.3:**

**20pts** Include your modified code with your lab submission and comment on what you added or changed.