Laboratory Report

Student Name Team CSC 300

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1 Overview

State the problem, the learning objective, and the claim this report will support. Identify any requirements or constraints.

2 Design and implementation

Describe the algorithm or system design, data structures, interfaces, and test environment. Include a small pseudocode outline when useful.

1. Define the input and expected output.
2. Explain the implementation choices and their trade-offs.
3. Record compiler, operating-system, and dependency versions.

3 Experimental setup

Explain the cases, controls, parameter values, and repeat count. Make clear which measurements were collected automatically and which were observed.

4 Results

Table 1: Example performance results; replace with your experiment.

Input size	Runtime (ms)	Memory (MB)	Pass rate (%)
100	1.8	12	100
1000	14.2	18	98
10000	164.5	31	96

5 Evaluation

Interpret the results, compare alternatives, and explain unexpected behavior. Discuss threats to validity and how the test suite could be improved.

6 Conclusion

Summarize what was implemented, what the evidence supports, and the next technical step.