

**Report title**

* **subtitle**

Name

Date

**A lab report in the course DT555A Programming in C**

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# 1. Introduction

In this section, you give the objectives of the work, a brief description of the problem. You should strive for brevity, clarity, and interest.

# 2. Design

In this section, you give the details of your design. It is the place for you to describe how you develop the algorithm(s) to solve the problem given in the lab. You can use flowcharts and pseudo-codes to represent your algorithm(s). It is important to know that before you give the flowcharts or/and pseudo-codes, you should have text to describe your idea and how you develop it to the algorithm solution.

Also, you should design test cases that will be used to test your implementation in a later section.

# 3. Implementation and Test

In this section, you implement your algorithms (developed in the last section) in C. For lab 1, there is no implementation in C. So this section is left empty for lab 1.

You should provide necessary explanation about your implementation for the readers to read and understand your implementation. You can include necessary code segment. But the full implementation (C source code) is submitted when you hand in the report.

You should also test your implementation with the test cases developed in the last section to show that the implementation is correct.

# 4. Results and discussion

In this section, you present the result and discuss on the result.

You can include what problems you have encountered and how they are solved. You should also include reflection on what you have learnt in this section. In this way, you improve your understanding and skills in programming.

# 5. References

A reference list of works used in the report. Use the Vancouver system (<https://en.wikipedia.org/wiki/Vancouver_system>) in the listing.