**Writing a lab report**

A lab report is a self-contained description of a lab practice and your solution. It is intended to both show that you learned what the program was designed to teach you, and to instill in you a discipline of rigorous program development and documentation.

The program coding itself is only a part of such documentation. In addition, you must describe the other important aspects of the program development process, e.g. a description of the problem, design choices, test results, and bugs, etc.

**Lab Report Format**

Include the following sections (when applicable), in the order given. Note that the program coding itself is an *attachment* to the main report.

* **Vital Information** - This section provides information necessary for properly crediting you for the lab report. Include a section as it appears below.  
  **-- Absence of this information might result in a maximum of 10 marks being deducted**.
* COMP112 Programming I (2022/2023)
* The numbering of the lab, e.g. Lab1
* Your student ID
* Submission date

1. **Discussion** (30 marks)
   1. **Description**: What were you required to implement? This might be a word-for-word reiteration of the problem given to you.
   2. **Solution**: A brief description of how your program works. For example, the use of Sytem.out.println to output the answer, etc.
      1. Copy any additional questions from the Lab, if any, and then answer accordingly.
   3. **Major Implementation Issues**: What were the most difficult parts of your program to implement?
   4. **Known Bugs and/or Errors**: List all the known bugs and/or errors of your program, if any.
2. **Attachments:** Include the following attachments to your report. (70 marks)
   1. **Sample Execution:** Paste screen capture of the execution of your running program. Refer to the lab for the requirement of this screen capture.
   2. **Source Code:** Copy and paste your source code.

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| Note for submission via Canvas:  Save your Word file of the lab report named using your Student ID followed by the numbering of the Lab, e.g. P2212345Lab1.docx |