Computer Organization: How to Write Your Report

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Purpose

- **To guide** you to do efficient & effective lab activities

- **To evaluate** your lab activities more generously and efficiently

- **To enhance** the interaction between students & TAs

Guidelines

- You don't need to write a lengthy report

- You don't need to spend a lot of time

- You should include **five sections** as follows,
  - Introduction
  - Design
  - Implementation
  - Discussion
  - Conclusion

Introduction

- Write this section **before you start the design**

- You should describe
  - What you have to design & implement
  - What you will learn through the lab session

- If you have difficulties of writing this section,
  - Read the lab material carefully
  - Ask questions to TAs

Design

- Write this section when you are in **the design phase**
- You can save a lot of time with **a careful design**
- This section should prove that you really put effort into the design phase

- For example,
  - What submodules do you need to implement a large module?
  - What does each submodule do?
  - How will you interconnect them?

Implementation

- You should explain your Verilog code

- This section helps TAs to understand your overall implementation

- For example,
  - The overall structure of your implementation
  - A short but meaningful description for each of your non-trivial module
  - The interactions between modules
  - **DO NOT COPY AND PASTE YOUR CODE**. If you cannot help explaining the code, then please simplify the code as much as possible

Discussion

- You can write anything that you want to inform

- For example,
  - The difficulties you met, and your attempts to solve (or evade) it
  - The important decisions you made
  - The differences between your design and implementation, and the reasons for them
  - Feedback to TAs
    - e.g. It is too easy/difficult, TA's explanation is insufficient, etc.
  - Anything else

Conclusion

- You just need to answer the following question
  - Have you succeeded to achieve the goals described in the Introduction section?
  - If not, which goals you cannot achieve? Why?