

## Lab1: Combinational and sequential logic

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### Abstract

**This is the abstract content... [1]**

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### 1. Introduction

**Here describe in detail the purpose of the experiment...**

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### 2. Experiment Process

**Here describe the specific steps of the experiment...**

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### 3. Results and Discussion

**Here describe the experimental results and necessary discussions...**

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#### Question 1

What is the purpose of the entity and the architecture sections, respectively?

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```

1
2 // This is a comment
3 vlog my_module.v
4 vsim my_module
5 add wave -position end sim:/my_module/*
6 run -all
7 quit

```

Listing 1: Example QuestaSim .do File

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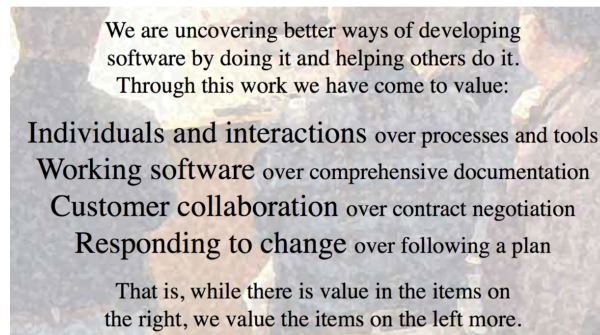


Figure 1: This is an example image

Figure 1 shows how to reference images in a LaTeX document.

## Appendix: Challenges and Solutions

### The difficulties I encountered and the solution I given...

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## References

- [1] "Chalmers writing guide." (2024), [Online]. Available: <https://writing.chalmers.se/chalmers-writing-guide/> (visited on 09/09/2024).