

ELC 2137 Lab 01: Git and LaTeX Intro

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Summary

This lab is an introduction for 2 programs that will be used throughout this course. Github is a program that uses a repository that can move and edit files easily from the Github database. LaTeX is a typesetting language that can be used to make pdf files, which will be used to conduct this report using multiple files.

Q&A

1. What is your Github username?
lsedate17
2. What LaTeX environment produces a bulleted (non-numbered) list?
An itemized environment.
3. Write the equation $y(t) = 1/2 e^t$ using LaTeX equation formatting.
 $y(t) = \frac{1}{2}e^t$
4. What is the shortcut key for compiling the LaTeX document.
F5

Results

Binary	Hex	Decimal
0000	0	0
0010	2	2
0100	4	4
0110	6	6
1000	8	8
1010	A	10

Figure 1: Table of Binary, Hex, and Decimal values

Code

Listing 1: File-include Verilog code example

```
module example
  #(parameter BITS=4)
  (
    input [BITS-1:0] in0, in1,
    input sel,
    output [BITS-1:0] out
  );

  // Choose in1 or in0
  out = sel ? in1: in0;
endmodule
```
