ELC 2137 Lab 01: Git and LaTeX Intro

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Summary

In this lab, several tasks were completed using TeXstudio in order to create a professional-looking document to submit as a lab report. Such tasks included making numbered lists, creating tables, inserting PNG files, labeling figures, and including Verilog code.

Q&A

- 1. My GitHub user name is kyle-monk
- 2. itemize
- 3. $y(t) = \frac{1}{2}e^t$
- 4. F6

Results

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

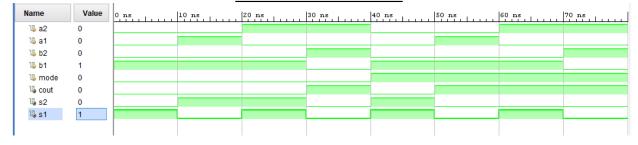


Figure 1: Table and simulation waveform to reproduce

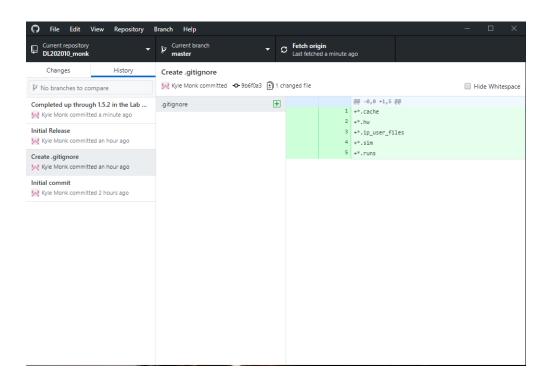


Figure 2: GitHub Desktop Screenshot

Code

Listing 1: Lab 1 Example Code

```
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
```