

# ELC 2137 Lab: Lab 1 Git and LaTeX Intro

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## Summary

The purpose of this lab was to become familiar with GitHub and LaTeX, as they will be used frequently throughout the ELC 2137 course. Following a report format and an example code, students accomplished specific tasks with the help of LaTeX.

## Q&A

1. What is your GitHub username?

MakennaMeyers1

2. What LaTeX environment produces a bulleted (non-numbered) list?

itemize

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 your 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

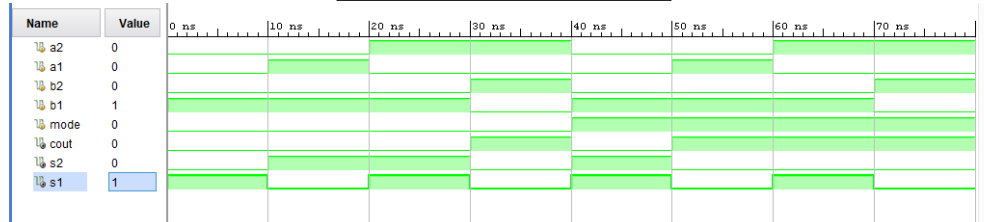


Figure 1: ERT and Simulation Waveform

Changes

History

trim and crop sim wave

Makenna Meyers committed 6 days ago

Downloaded files from Canvas

Downloaded files from Canvas

Initial commit

Lab 1 Git LaTeX\2137\_lab1\_report.aux

Lab 1 Git LaTeX\2137\_lab1\_report.log

Lab 1 Git LaTeX\2137\_lab1\_report.out

Lab 1 Git LaTeX\2137\_lab1\_report.synctex.gz

Lab 1 Git LaTeX\2137\_lab1\_report.tex

@@ -0,0 +1,20 @@

1 +\relax

2 +\providecommand\hyper@newdestlabel[2]{}

3 +\providecommand\hyperFirstAtBeginDocument{\AtBeginDocument}

4 +\hyperFirstAtBeginDocument{\ifx\hyper@anchor@undefined

5 +\global\let\oldcontentsline\contentsline

6 +\gdef\contentsline#1#2#3#4{\oldcontentsline{#1}{#2}{#3}}

7 +\global\let\oldnewlabel\newlabel

8 +\gdef\newlabel#1#2{\newlabelxx{#1}{#2}}

9 +\gdef\newlabelxx#1#2#3#4#5#6{\oldnewlabel{#1}{#2}{#3}}

10 +\AtEndDocument{\ifx\hyper@anchor@undefined

11 +\let\contentsline\oldcontentsline

12 +\let\newlabel\oldnewlabel

13 +\fi}

14 +\fi}

15 +\global\let\hyper@last\relax

16 +\gdef\hyperFirstAtBeginDocument#1#2

17 +\providecommand\hyField@auxAddToFields[1]{}

18 +\providecommand\hyField@auxAddToCoFields[2]{}

19 +\writefile{lof}{\contentsline {figure}{\numberline {1}{\ignorespaces Table and Simulation Waveform}}{1}{figure.1}}

20 +\newlabel{fig:sim\_with\_table}{(1){1}{Table and Simu

Figure 2: GitHub History

# Code

Listing 1: Lab 1 Code

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```
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
```

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