

ELC 2137 Lab ##: Lab 1 Git and LaTeX Intro

Makenna Meyers

January 20, 2020

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

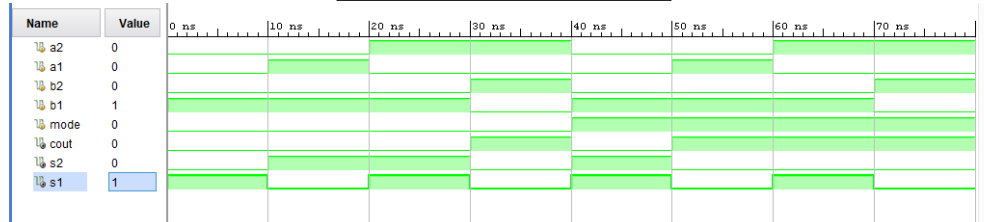


Figure 1: ERT and Simulation Waveform

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{#1}

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

```
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
```
