

ELC 2137 Lab 01: Git and LaTeX Intro

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September 2, 2020

Summary

The purpose of this lab was to get an introduction to GitHub and coding using LaTeX, describe the purpose of LaTeX and GitHub, and to create a lab report demonstrating basic knowledge of LaTeX.

Q&A

1) What is your GitHub user name?

Kyra_rose1

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

An itemized environment.

3) Write the equation $y(t) = 1/2e^{-t}$ using LaTeX equation formatting.

$y(t) = 1/2 * e^{-t}$

4) What is the shortcut key for compiling your LaTeX document?

F5

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
```

Results

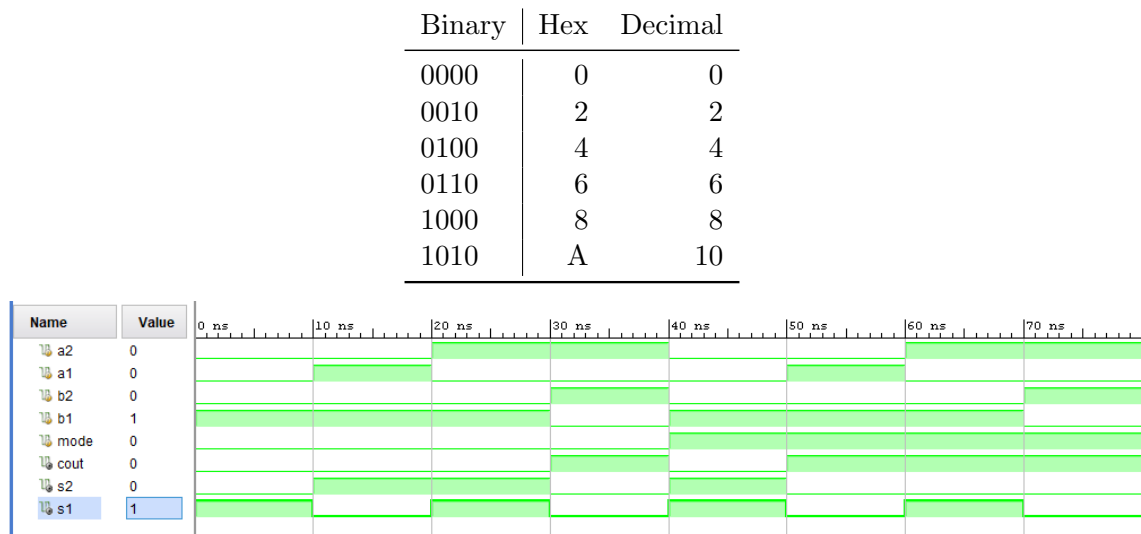


Figure 1: Example of a simulation waveform and ERT

Current repository

DL202030_KyraRose

Current branch

master

Push origin

Last fetched 22 minutes ago

1 ↑

Changes

History

No branches to compare

File Organization

Kyra Rose • 13m

Lab 1

Kyra Rose • 6d

Initial Commit Cont.

Kyra Rose • 6d

Initial Commit

Kyra Rose • 6d

Initial commit

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File Organization

Made two folders (lab 1 and tutorials) and moved existing files into designated folders.

lab 1.tex → Lab 1\lab 1.tex

lab1_ex..._code.sv → Lab 1\..._code.sv

lab1_ex...hot.PNG → Lab 1\...hot.PNG

latex_tutorial.pdf → Tutorial...orial.pdf

latex_tutorial.tex → Tutorial...orial.tex

on formatting.

+

+4) What is the shortcut key for compiling your LaTeX document?

77 83

78 84

79 85

\section*{Results}

@@ -91,14 +97,14 @@ Answer questions posed in the lab assignment here.

91 97

92 98

93 99

\bottomrule

\end{tabular}\medskip

94

- \includegraphics[trim=7.3in 6.2in 1in 1.75in,clip]{lab1_example_screenshot.PNG}

100

+ \includegraphics[trim=7.3in 6.2in .2in 1.75in,clip,width=6in]{lab1_example_screenshot.PNG}

95 101

96 102

97 103

98 104

99 105

100 106

\caption{Example of a simulation waveform and ERT}

\label{fig:sim_with_table}

\end{figure}

\section*{Code}

101

-Include all of the code you wrote or modified here.

107

+\Verilog{lab1_example_code.sv}