ELC 2137 Lab 1: Git and LaTex Intro

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Summary

The objective of this lab is to describe the basic Git process, use GitHub Desktop to synchronize locaol and remote files ina repository. Also describe the purpose of LaTeX and create a lab report in LaTeX that includes images, codes, lists,tables and section headings.

Q&A

1. My GitHub user name is jane-ross1.

2. A bulleted list is configured using an itemized enviroment.

3. $y(t) = 1/2e^t$

4. A shortcut to compile is F6 on the windows computer.

Results

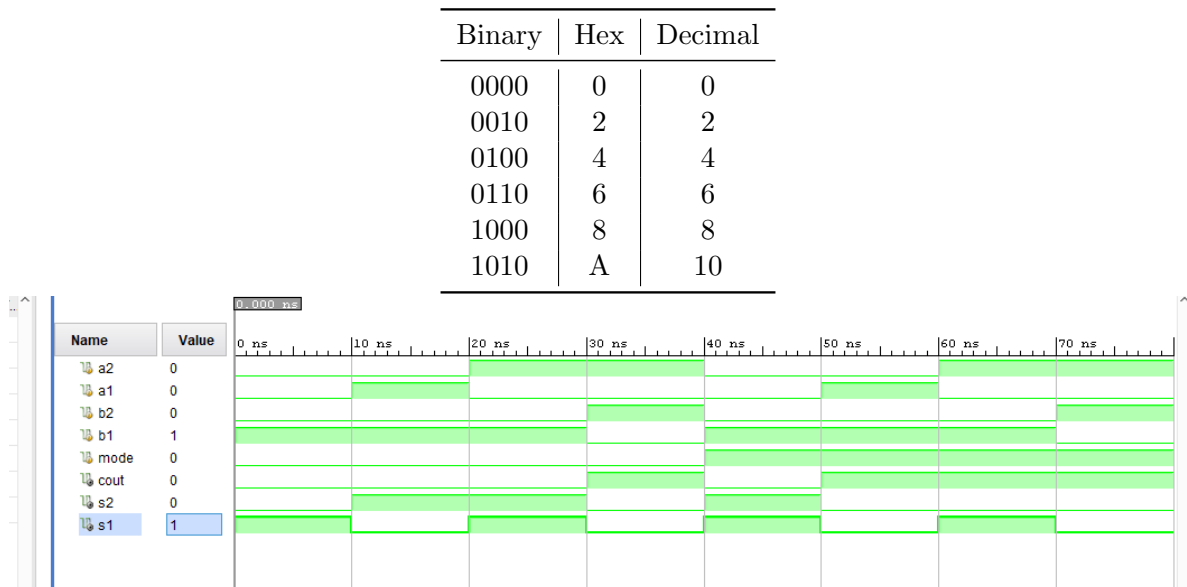| Binary	Hex	Decimal
0000	0	0
0010	2	2
0100	4	4
0110	6	6
1000	8	8
1010	A	10

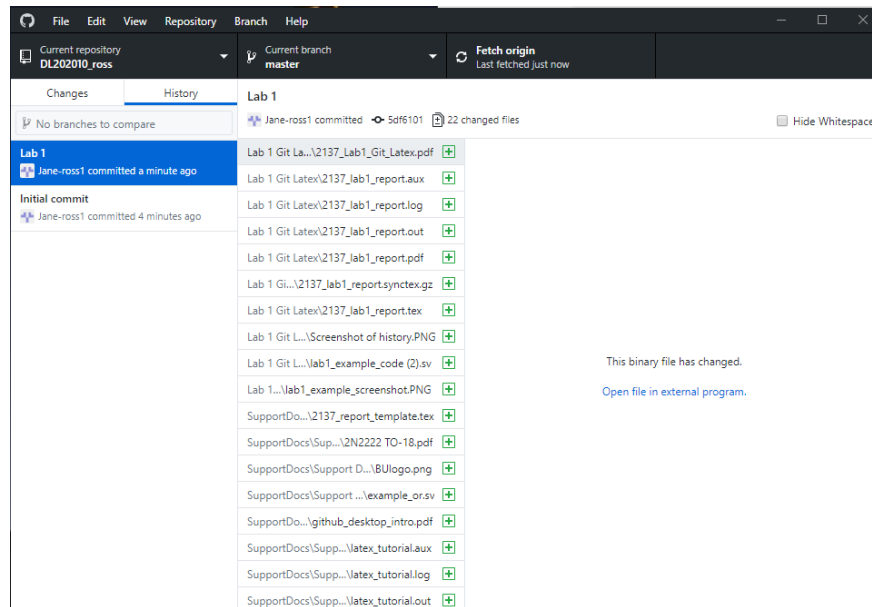Figure 1: Table and simulation waveform to reproduce

Figure 2: Screenshot of History

Code

This is the code example below.

Listing 1: Direct Verilog code example

```verilog
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
```