ELC 2137 Lab #1: Git and LaTeX Intro

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Summary

The report served as a practice exercise in utilizing the various tools and functions within LaTeX and GitHub. The report used figures (trimmed and non-trimmed), table, numbered lists, and code incusion from LaTeX. From GitHub, an account and repository was created, and commiting and pushing was practiced.

Q&A

1. Nollale98
2. The *itemized* envirmonment will create a bulleted list.
3. $y(t) = \frac{1}{2}e^t$
4. F6

Results

Table 1: Base Conversion Examples

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

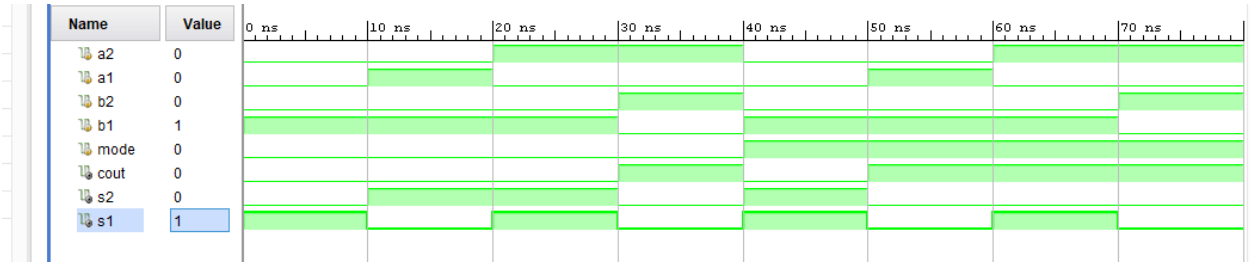

Figure 1: Example of a simulation waveform.

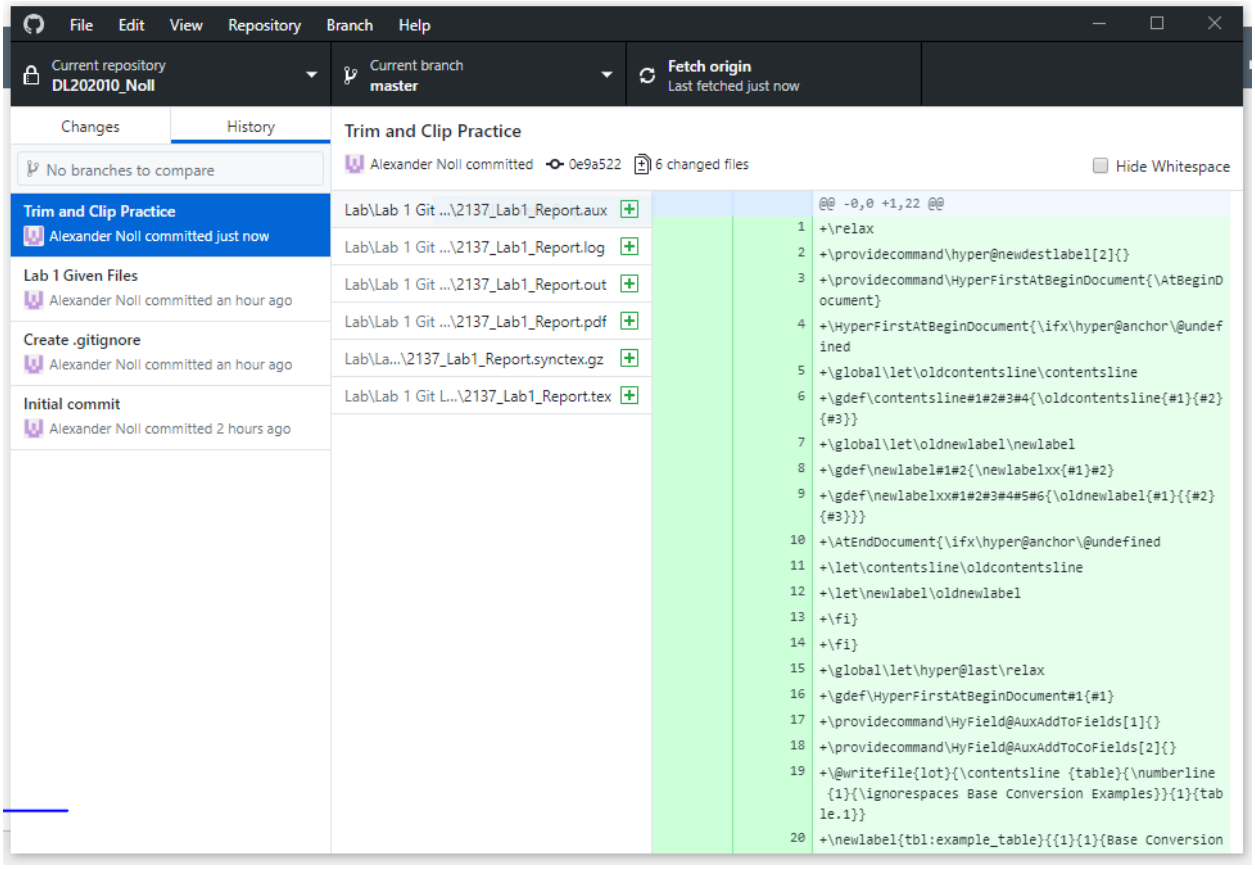

Figure 2: Screenshot of Github Push post trim and clip.

Code

File Inclusion

Listing 1: File-included Verilog code example

```
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
```