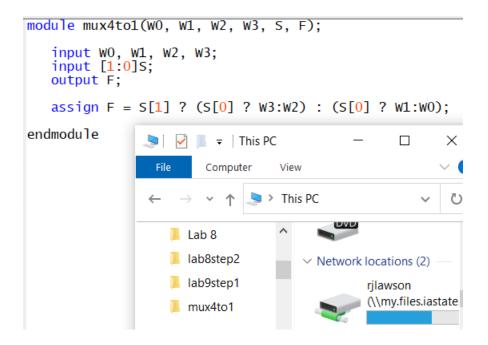
Lab 8 Answer Sheet

Name and Std ID: Riley Lawson rjlawson Lab Section: 6

Date: 10/22/2020

PRELAB:

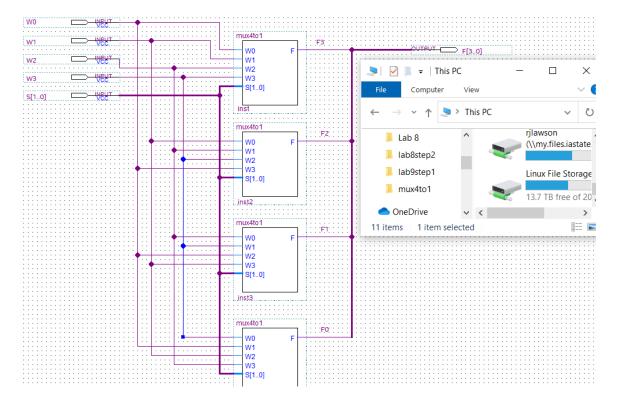
Q1. Read section 2.2 and write the Verilog code for a 4-to-1 multiplexer.



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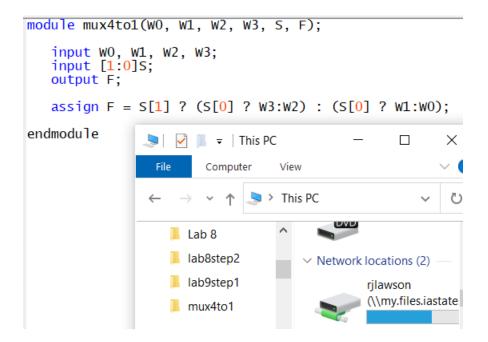
Q2. Design a 4-bit shifter as described in Section 3.1 of the lab description. Sketch the block diagram for your design showing the multiplexers, the inputs, outputs and the selectors to each multiplexer.



Lab 8 Answer Sheet

Q3. Refer to Section 3.1 of the lab description and complete the following table before you come to the lab:

Х3					X-2			S0			F1	F0
1	0	0	1	1	1	0	0	1	0	0	1	1
1	1	1	0	0	0	0	1	1	0	0	0	0
1	1	1	0	0	1	1	0	0	1	1	1	0
1	1	0	1	0	1	0	1	0	0	1	0	1
1	0	1	1	0	1	1	0	1	0	1	1	0



Lab 8 Answer Sheet

LAB:

2.1 Hardware results demonstrate a good circuit. Screenshots:
2.2 Hardware results demonstrate correct code. Screenshots:
3.1 Hardware results demonstrate correct code. Screenshots: