

Lab 0 Assignment:

Once Vivado is downloaded on your computer, watch the “Intro to Vivado” video on Poly Learn. I recommend performing each step shown in the video on your computer as you are watching it.

After completing synthesis, simulation, implementation and bit stream generation successfully as shown in the video, download your design to your BASYS3 board.

Demo that your lab 0 design works 100% on a BASYS3 board.

100% working for this design means your design performs the truth table shown below.

A	B	C	Q
0	0	0	1
0	0	1	1
0	1	0	0
0	1	1	1
1	0	0	0
1	0	1	0
1	1	0	0
1	1	1	1

Also, open “Elaborated Design” and verify your schematic looks like the schematic below.

