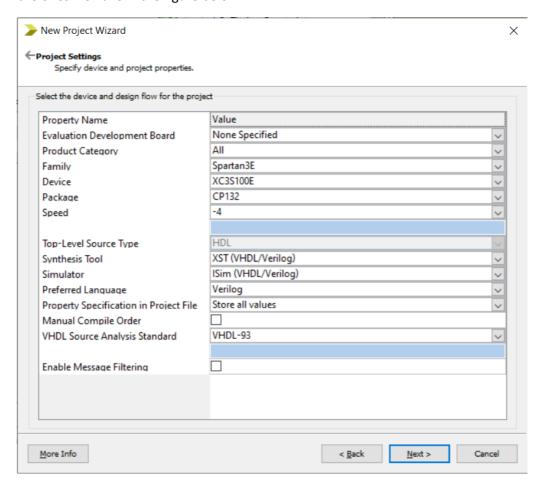
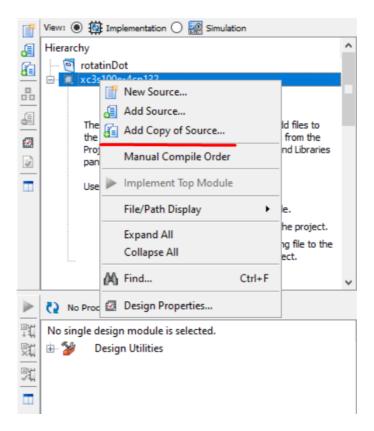
LAB 3

In this part you will modify the calc.v file given to you so that it synthesizes on Xilinx ISE and finishes simulation correctly. Check out the calc.pdf about the operations.

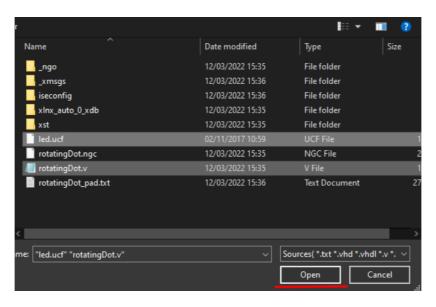
- 0. Open Xilinx ISE Design Suite and open a New Project. Name the Project "calculator" and choose the "C:/Xilinx/CS240" folder or your own CS240 folder.
- 1. Click on Next and make sure you have the same configurations chosen in the next window as the ones we have in the figure below.



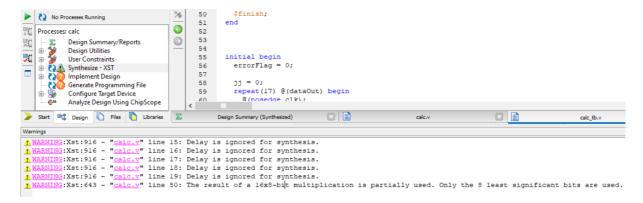
- 2. Click on Next, and then Next again.
- 3. Like in the image below, right click on "xc3s100e-4cp132" and click on "Add Copy of Source".



4. Find the calc_tb.v, calc.v, data, result files and choose them, and click on "Open", like in the figure below. Note that to choose multiple files, you can press "ctrl" key and click on those files.



- 5. Modify calc.v so that your design passes the simulation without errors.
- 6. Click on "Synthesize XST" on the left bottom panel. Make sure you have the same result as is shown in the figure below.



7. Show us your work before you go on to the next part.