

MINILAB 0 REPORT

Name: Ananya Virmani

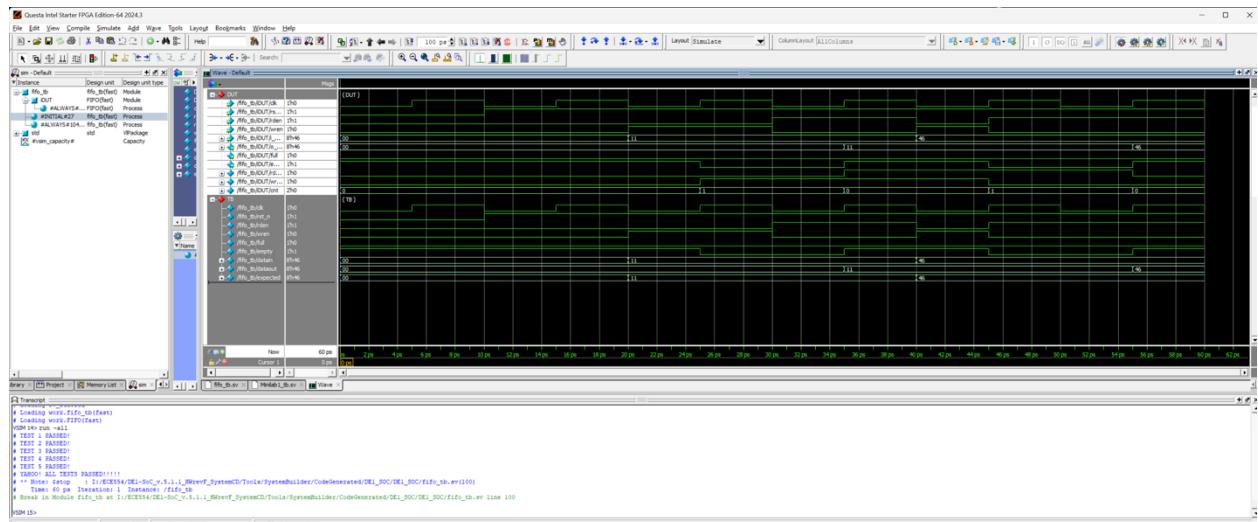
Email: virmani2@wisc.edu

Overview

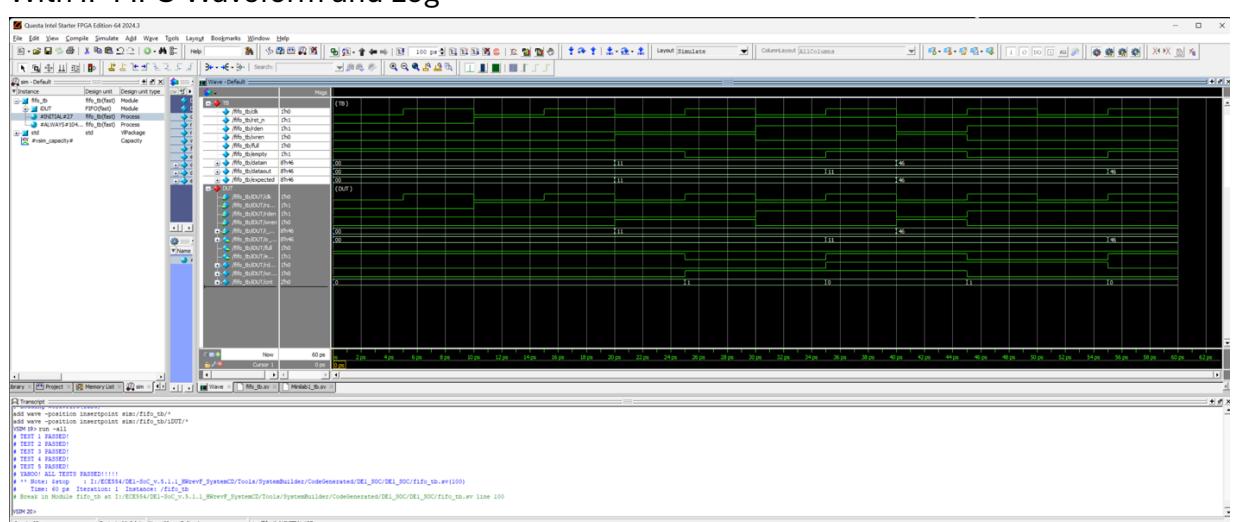
In this minilab, we were required to write a FIFO and MAC along with its test benches and then use the IPs instead.

Screenshots

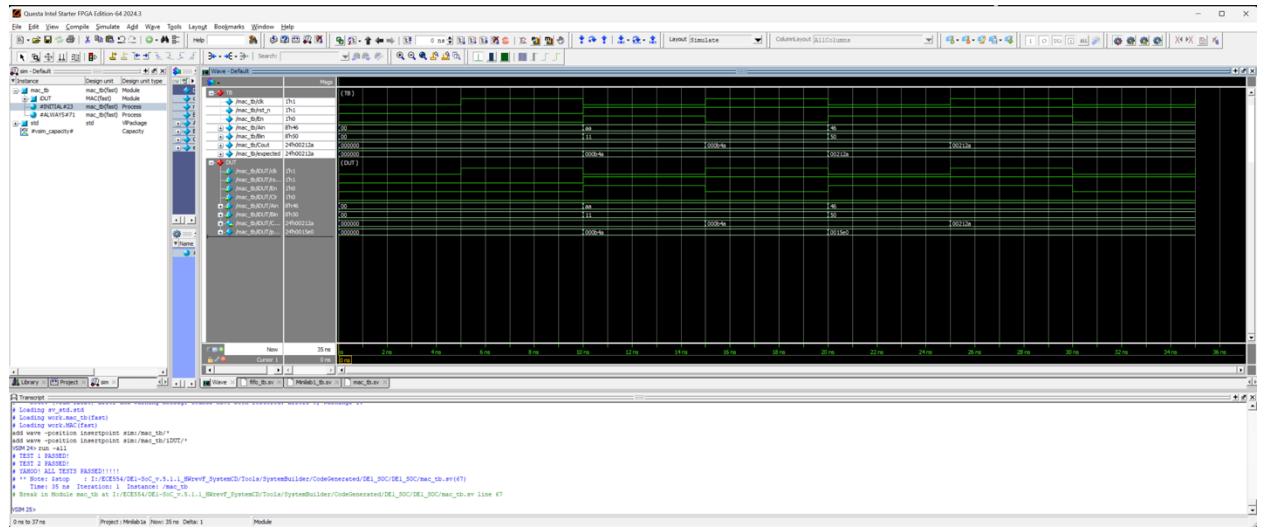
- Without IP FIFO Waveform and Log



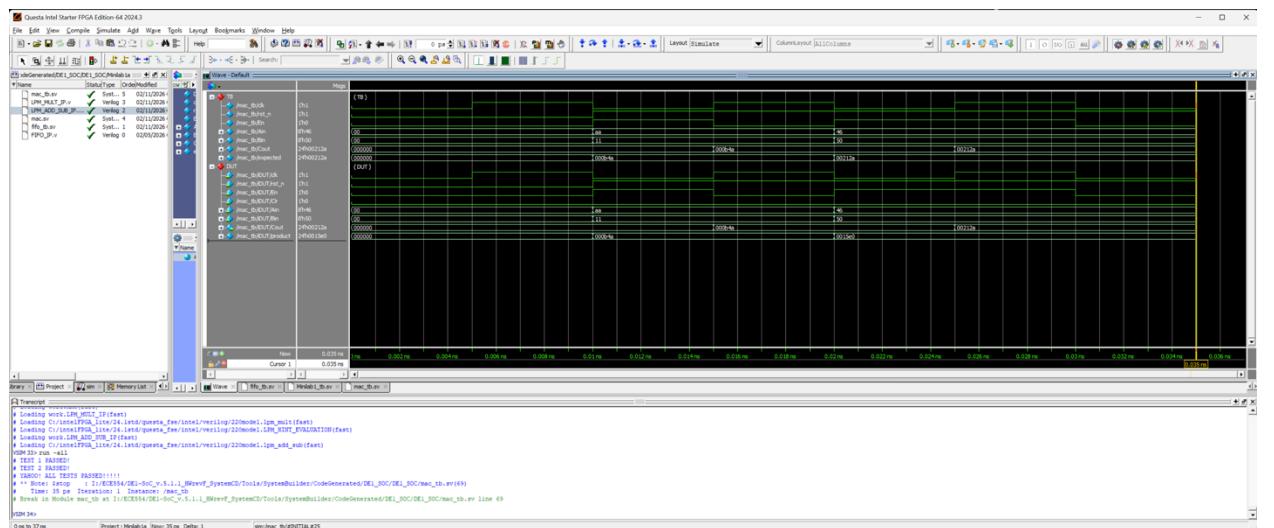
- With IP FIFO Waveform and Log



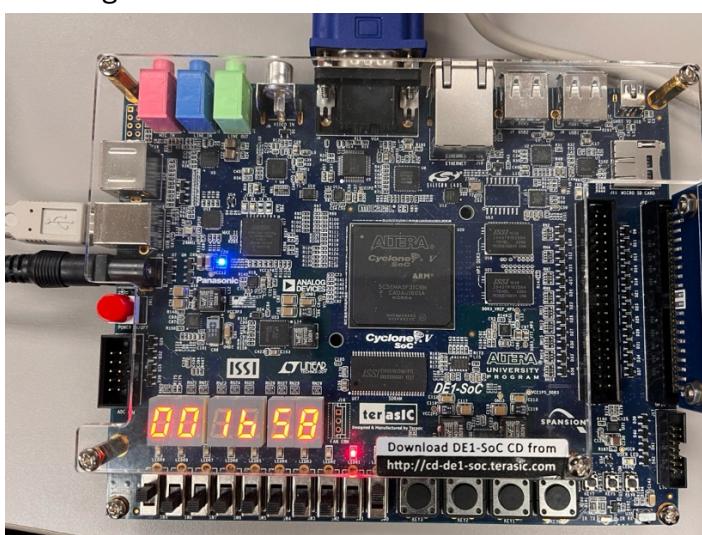
- Without IP MAC Waveform and Log



- With IP MAC Waveform and Log



- #### - Working Board



Usage Reports

- Both the usage reports are in the Minilab1a folder.
- The Summary1 report uses a greater number of 7 or 6 input functions but Summary2 makes use of as low as these as possible and more of less input functions.
- On the other hand, Summary2 makes use of more block memory bits.
- Sumamry2 even has lower number of fanouts for all criteria in comparison to Summary1.