1. To setup Lab 2.3, first open the Lab 3.qpf
2. Next in project manager click files, and open lab3.bdf
3. Click hierarchy in project manager
4. Right click lab3.bdf and click “Set as top level entity”
5. Press control+shift+v to ensure that it is set.
6. Next, connect the DE1-Soc using the USB & Power cable
7. Ensure pins are set corresponding to the DE1-Soc manual
8. Assign KEY0 or Button 1 as the D Flip Flop (DFF) clock switch
9. Compile your design
10. Select program device
11. Add the lab2.sof file to the 5CSEMA5F31 device
12. Click Program
13. Input numbers to be computed using the switches
14. Press key0 to activate the DFF on the board