Week 2 Application Assignment: Mission 004

Overview

The goal of this assignment is learn how to use the Quartus Prime tool to create an example design. The student should be following the video instructions and creating the example as they go along. Their progress is checked at milestones by presenting screenshots which are matched to the solution screenshots to verify their work. Milestones checked are design schematic creation, design compilation, RTL viewing, timing analysis and simulation.

This assignment is required. Peers must review 3 submissions to pass the assignment.

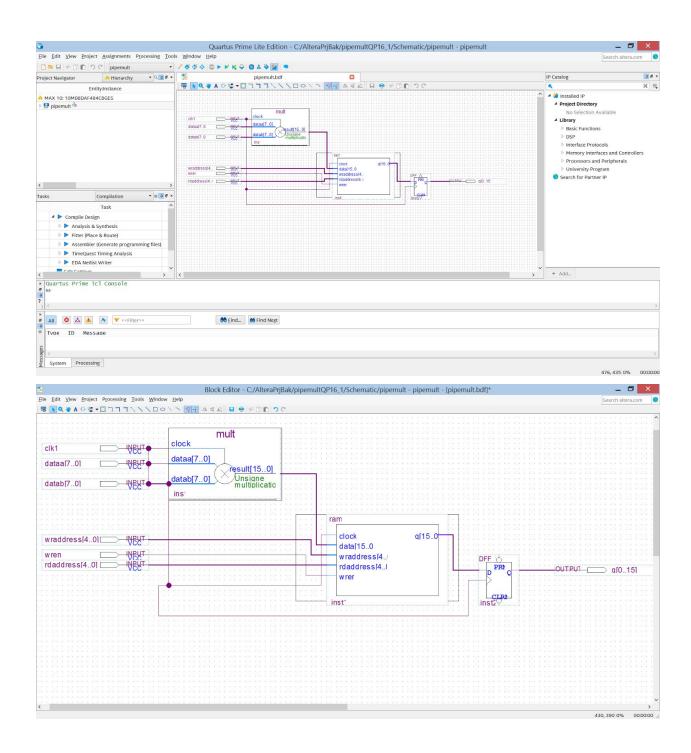
Submit screenshots (Format: .jpg) of:

- 1) The completed pipemult schematic after Video #6
- 2) The Compilation Report after Video #7 showing Fmax and % utilization
- 3) A high level RTL view after Video #8
- 4) The Compilation Report at the end of Video #10 showing Fmax and % utilization
- 5) The ModelSim Simulation waveform window at the end of Video #11

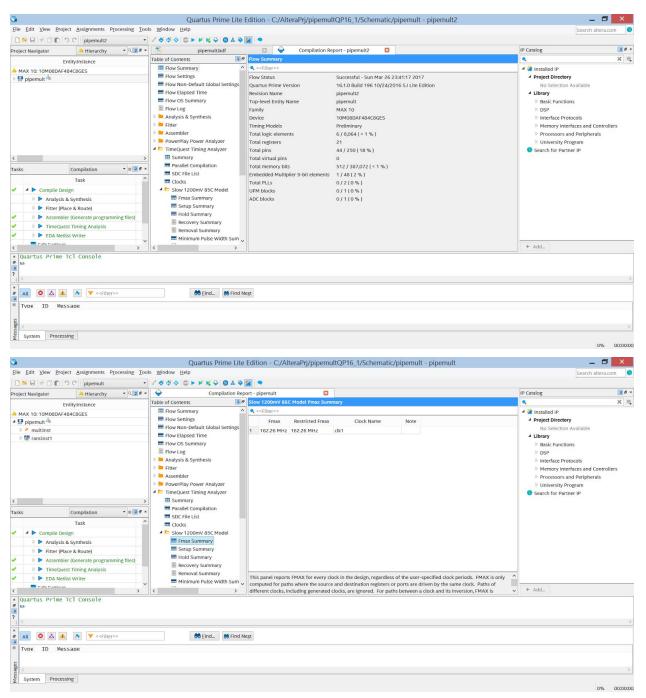
Solutions:

Submit screenshots (Format: .jpg) of:

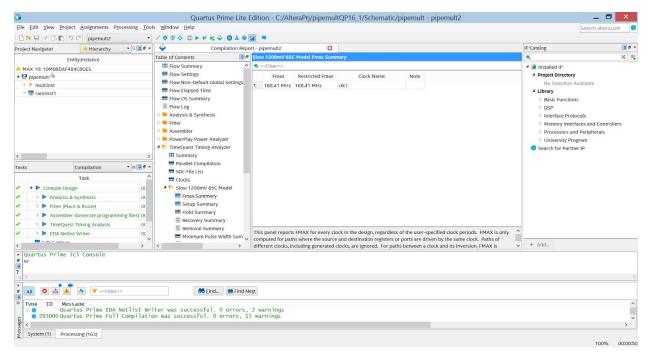
1) The completed pipemult schematic after Video #6



2) The Compilation Report after Video #7 showing Fmax and % utilization

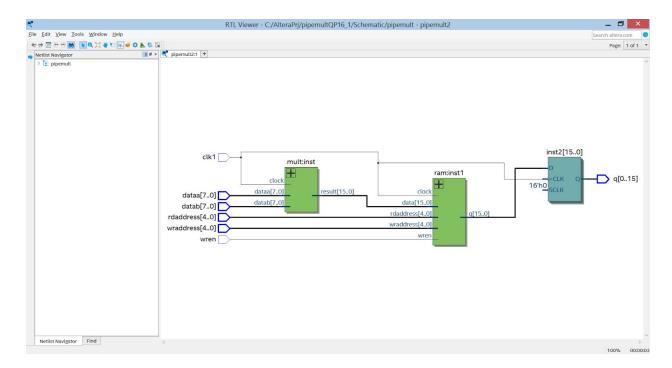


Revision 1 Fmax

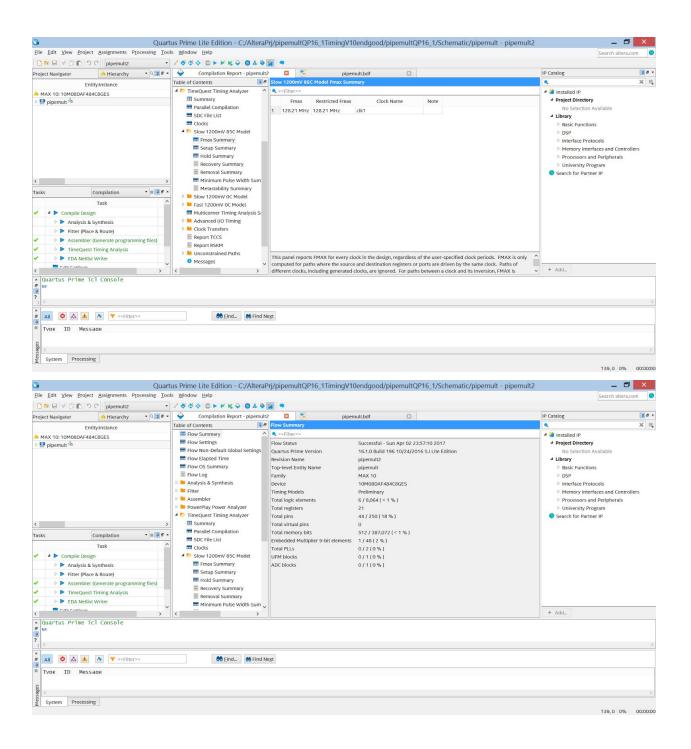


Revision2 Fmax

3) A high level RTL view after Video #8



4) The Compilation Report at the end of Video #10 showing Fmax and % utilization



5) The ModelSim Simulation waveform window at the end of Video #11

