a. Proper explanation of your design is required for full credits.

b. Block diagrams shall be drawn to depict your designs.

c. Show your snapshots of the waveforms and the simulation results on the terminal for the different test cases in your report and illustrate the correctness of your results.

d. Report the number of lines of your RTL code, the final results of running Superlint and 3~5 most frequent warning/errors in your code. Describe how you modify your code to comply with the Superlint.