ReadMe

Take add2 as an example:

1.execute Parser.py

(python3 Parser.py)

2.read ./add2/add2.v

3.lev add2\_lev.txt

(create levelization output file)

4.tb\_gen 1

(generate testbench and input file for ModelSim)(you can specific how many test patterns you want to generate)(test patterns are stored in input folder)

5.execute run.do

(it will call the Modelsim, do the simulation, and create the output files which are stored in gold folder)

6.logicsim ./add2/input/add2\_t0.txt ./add2/output/add2\_t0\_out.txt

(do the simulation in our code and generate the output file in output folder)

7.check ./add2/output/add2\_t0\_out.txt ./add2/gold/add2\_t0\_out.txt

(compare the result from our simulator(1st file) and Modelsim simulation(2nd file))

1. 2. 3. 4. 6. 7. are command typed in the terminal