Logic Simulator User Guide

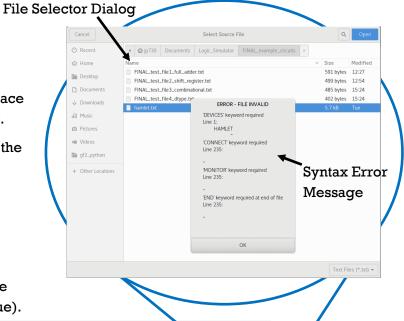
To load graphical user interface (GUI), change directory into the folder gf2_python and run the logsim.py program using the command:

python logsim.py (def file location)

The location of a definition file is optional and the GUI will be preloaded with the file if the argument is given.

Performing Circuit Simulation:

- If not preloaded, then click browse button and select your desired '.txt' definition file.
- Add/Remove points in the circuit at which the trace will be recorded on the canvas by the simulator.
- Select the desired initial state of the switches in the circuit (this will not appear if no switches exist)
- Enter the number of cycles for which the circuit should be simulated and click the run button.
- The trace for each monitoring point will be displayed on the canvas. Pressing the continue button will continue simulating each trace for the specified clock cycles (max 100 per run/continue).



LOGIC DEVICES SUPPORTED

- CLOCK
- SWITCH
- SIGGEN
- AND
- NAND
- OR
- NOR
- XOR
- DTYPE

