**You should be running WSL**

**Installing Verilator**

Open the terminal and run the following commands:

sudo apt update

sudo apt upgrade

sudo apt install git perl python3 make autoconf g++ flex bison

git clone https://github.com/verilator/verilator.git

cd verilator

autoconf

./configure

make -j$(nproc)

sudo apt install help2man

sudo make install

pwd *(This will give your current path to use in the next command)*

find [insert your current path] -name verilator *(This will give you the path to verilator to use in step 4 below)*

**Setting up Linting in Visual Studio Code**

1. In Visual Studio Code, install the extension called “Verilog-HDL/SystemVerilog/Bluespec SystemVerilog”
2. Go to Extensions, and right-click the Verilog extension and click “Settings”
3. Click “Open Settings (JSON)” icon in the top right (looks like a paper icon)
4. Paste this in (and be sure to copy your verilator path into the first line):

{

"verilog.linting.verilator.path": "[insert your verilator path]",

"workbench.settings.applyToAllProfiles": [

"verilog.linting.path"

],

"verilog.linting.enabled": true,

"verilog.linting.verilator.runAtFileLocation": true,

"verilog.linting.linter": "verilator",

"verilog.linting.verilator.arguments": "--lint-only --timing --Werror-WIDTH -Werror-SELRANGE -Werror-COMBDLY -Werror-LATCH -Werror-MULTIDRIVEN",

"editor.unicodeHighlight.invisibleCharacters": false,

"editor.unicodeHighlight.ambiguousCharacters": false,

"verilog.linting.verilator.useWSL": true

}

1. Save settings.json