1. Go to https://bleyer.org/icarus/ and download the latest .exe installer (e.g., iverilog-v12-20220611-x64_setup)
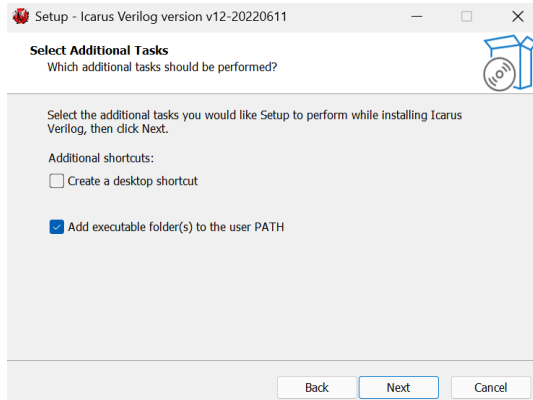2. Run the installer: Install into a simple path like C:\iverilog\.
3. Click "Next" on all the prompts until you see "Select Additional Tasks" page, then select "Add executable folder(s) to the user PATH"

4. Click next and then install.
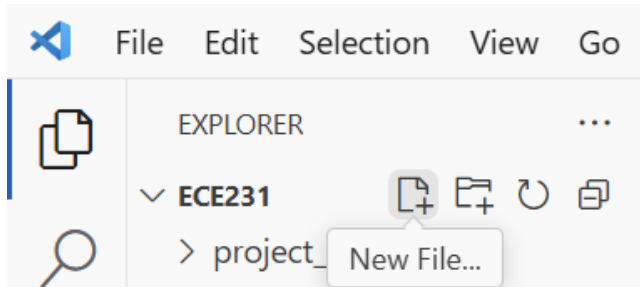5. Now to test, open Command Prompt and type "iverilog". Should look like this:

Testing Icarus Verilog

1. Create a folder in your desktop named "ECE231", which will contain all your projects for this class.
2. Now go to Command Prompt and change your directory to the folder "ECE231" by typing the following command: "cd YOURPATH/ECE231". Should look like this:

3. Once in the ECE231 directory, run "code ." to open VS Code
4. Once in VS Code, click the new file icon in the top left

5. Name the file "hello.v"
6. Paste the following code into hello.v:

```verilog
module hello;
    initial begin
        $display("Hello, Icarus Verilog!");
        $finish;
    end
endmodule
```

7. Save the file, and go back to Command Prompt and run the following commands:
   To compile: "iverilog -o hello hello.v"
   To run: "vvp hello"
   Should look like this:

```
C:\Users\ngulv\OneDrive\Desktop\ECE231>iverilog -o hello hello.v

C:\Users\ngulv\OneDrive\Desktop\ECE231>vvp hello
Hello, Icarus Verilog!
hello.v:4: $finish called at 0 (1s)
```