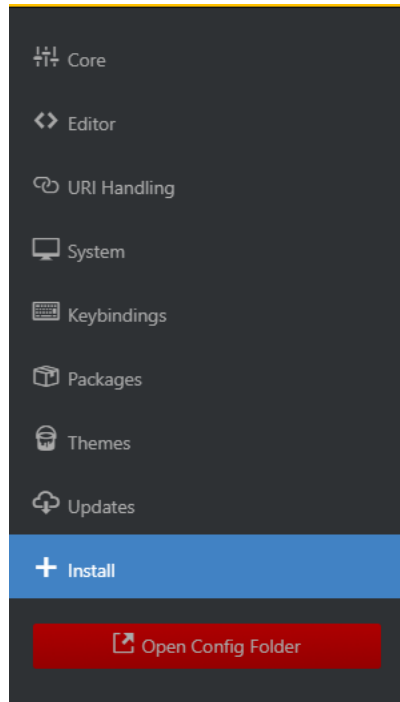
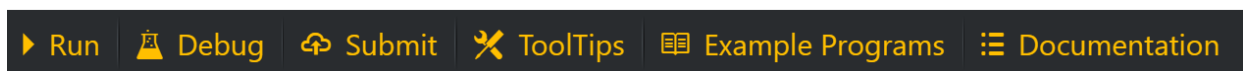


# Group Project Instructions

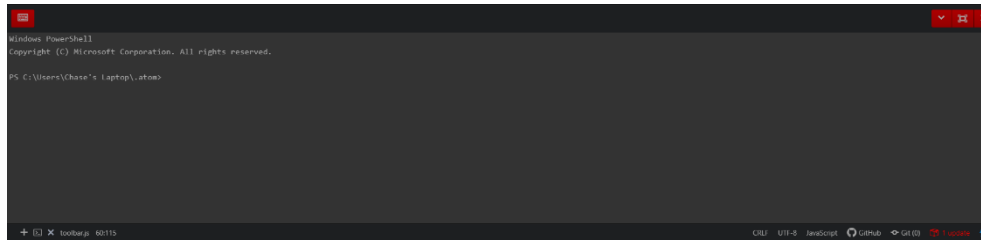
1. Download Atom from <https://atom.io/>
2. Once successfully downloaded, open Atom, and go to file -> settings -> choose "Install"



3. Search for the package called "umsl-Virt-Machine" and install.
  - a. In the original atom toolbar go to Packages -> UMSL Virtual Machine -> enable (if you receive an error the first time, exit the error, and go select enable again)
  - b. On the right side of the screen you will get a message asking you if you want to download the other package-dependencies; select 'yes' and this will download 5 additional packages
  - c. Once all packages have successfully downloaded press 'control-shift-F5' to reload atom
  - d. Go to settings -> packages -> flex-tool-bar settings and paste \packages\umsl-Virt-Machine\lib\toolbar.js at the end of the Toolbar Configuration file Path
4. You will then see the following additions:
  - a. A toolbar on the top of your screen that looks like this:



- b. An option to open the terminal in the bottom of your screen



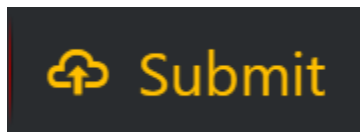
## ToolBar Options:



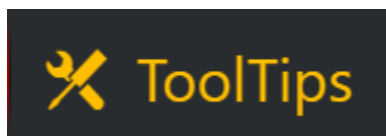
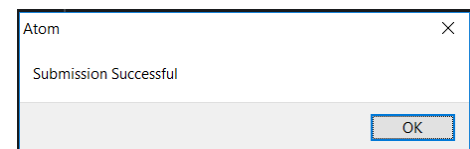
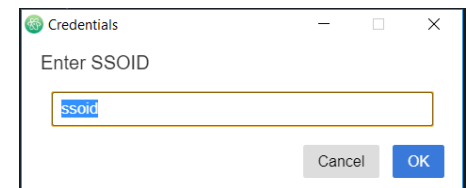
- While you have the file open in Atom, click the “Run” button to see the output of your asm file



- Click the “Debug” button and it will step through your asm file showing you the numbers entered



1. Clicking Submit will submit the open file to your Delmar account
2. You will get a popup to enter your SSOID and password
3. If this is successful you will receive another popup



- List of available instructions and how to use them

## Example Programs

- `sumOf3.asm` reads 3 arguments and returns the sum using a stack
- `sum3nostack.asm` Same as `sumof3.asm` but without a stack
- `sumOfAny.asm` reads first argument and then reads as many arguments as the first argument and returns the sum

## Documentation

- This file – documentation with instructions on how to set up everything