Quantum Espresso – Download and Compilation Instructions

For WINDOWS (i.e. Ubuntu via WSL):

- Download QE V.7.2 from: https://www.quantum-espresso.org/download-page/
 - a. NOTE: You will be asked to register an account. This is free and should require minimal setup.
- 2. Copy the downloaded "qe-7.2-ReleasePack.tar.gz" file to your SOFTWARE directory (or wherever you would like to install)
- 3. Untar with the following: tar -xzvf qe-7.2-ReleasePack.tar.qz
- 4. Change to the ge-7.2 directory (i.e. cd ge-7.2)
- 5. Perform the following commands:
 - a. sudo apt-get update
 - b. sudo apt-get upgrade
 - c. sudo apt install git

 - d. sudo apt install gcc
 e. sudo apt install gfortran
 f. sudo apt install libfftw3-dev
 - g. sudo apt install make
- 6. Now we should be set to compile the software with the following:
 - a. ./configure
 - b. make all

For MacOS:

- 1. Download QE V.7.2 from: https://www.quantum-espresso.org/download-page/
 - a. NOTE: You will be asked to register an account. This is free and should require minimal setup.
- 2. Copy the downloaded "qe-7.2-ReleasePack.tar.gz" file to your SOFTWARE directory (or wherever you would like to install)
- 3. Untar with the following: tar -xzvf qe-7.2-ReleasePack.tar.gz
- 4. Change to the ge-7.2 directory (i.e. cd ge-7.2)
- 5. Try compiling. Your system already has the appropriate libraries.
 - a. ./configure
 - b. make all
- 6. If this resulted in any errors, fret not! We will troubleshoot together!