Installing Python on Linux for C-RISe Python software

1. You want to first install conda, a package, dependency and environment manager for python (and other languages) that includes the necessary related packages.
2. The fastest way to obtain conda is to install Miniconda, a mini version of Anaconda that includes only conda and its dependencies. If you prefer to have conda plus over 720 open source packages, install Anaconda.
3. We recommend you install conda for the local user, which does not require administrator permissions and is the most robust type of installation. You can also install conda system wide, which does require administrator permissions.
4. **System requirements**
   - 32- or 64-bit computer (check which you have).
   - For Miniconda—400 MB disk space.
   - For Anaconda—Minimum 3 GB disk space to download and install.
   - Windows, macOS or Linux.
   - NOTE: You do not need administrative or root permissions to install Anaconda if you select a user-writable install location.
5. Download the installer (we want 2.7 version of python for the correct bit architecture):
   - Miniconda installer for Linux.
   - Anaconda installer for Linux.
6. Double-click the .exe file.
7. Follow the instructions on the screen.
   If you are unsure about any setting, accept the defaults. You can change them later.
   When installation is finished, you should find an anaconda prompt window has been installed - from the **Start** menu, open the Anaconda Prompt.
8. Type: `conda list` and a list of installed packages should appear.
9. If python has been installed as part of the package, you should see it in the list.
10. To see which packages are installed in your current conda environment and their version numbers, in your Terminal window or an Anaconda Prompt, type: `conda list`
11. We need to add netcdf4, basemap and scipy packages. In your anaconda prompt type:
    - `conda install netcdf4`
    - `conda install -c conda-forge basemap` (a special command is needed to install the latest development version)
    - `conda install scipy`