Installation Instructions

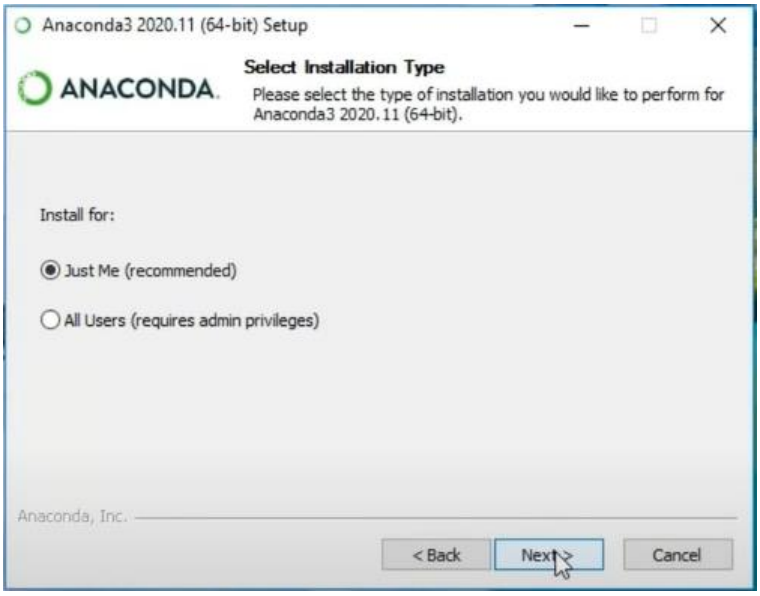
Contents:

Part 1: Install Anaconda

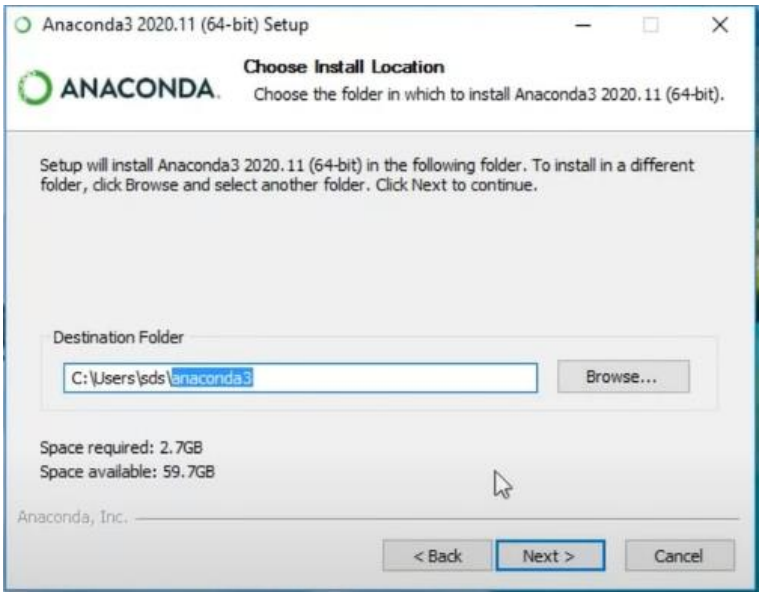
Step 1: Go to https://www.anaconda.com/products/distribution and download the installer.

Step 2: Run the downloaded <some_name_>installer.exe file

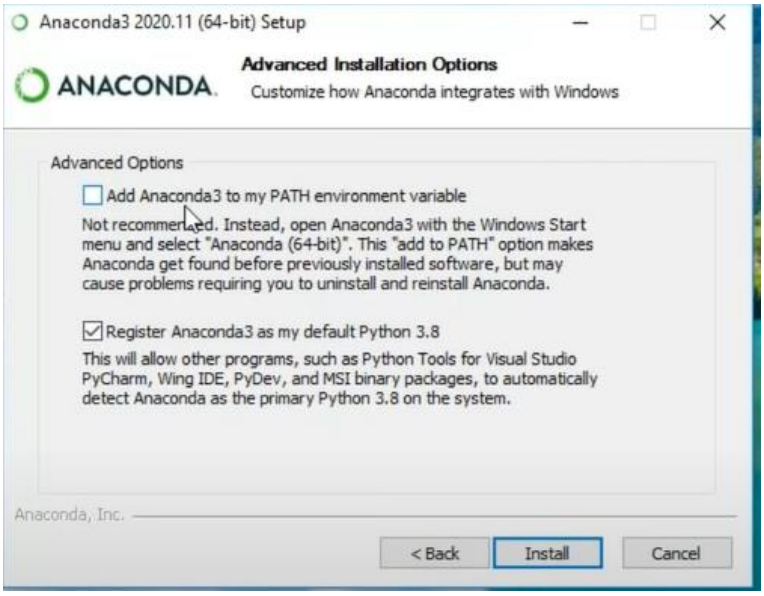
Step 3: Choose “Just me” in the Select Installation Type page



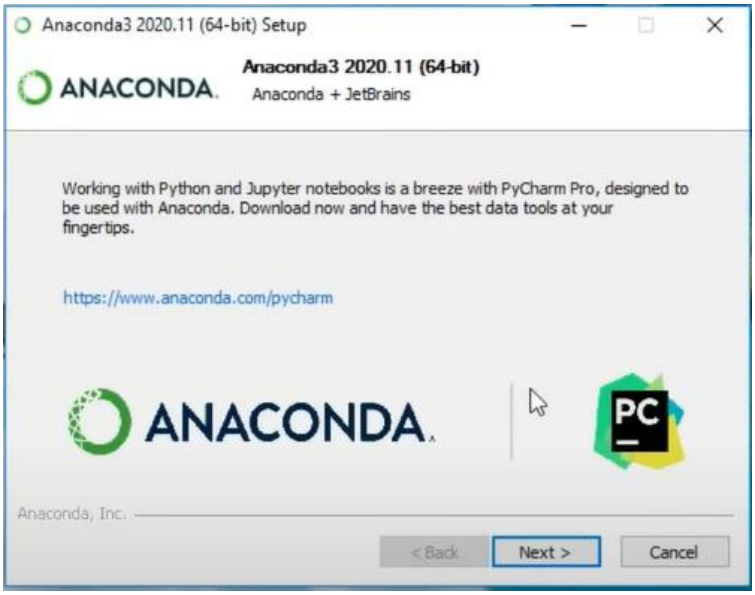
Step 4: Choose any location to install



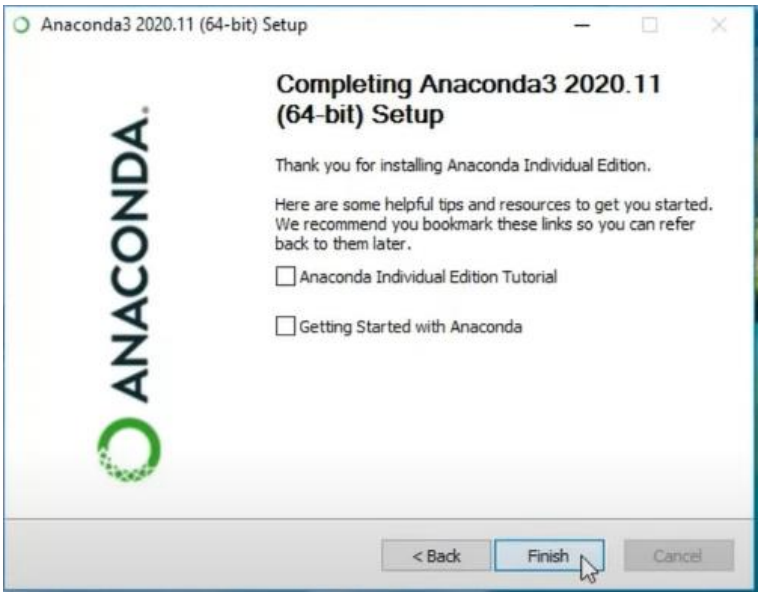
Step 5: **Do no select** “Add Anaconda3 to my PATH environment variable” check box (important)



Step 6: Don’t need to download PyCharm



Step 7: Unselect the check boxes to finish the installation.



Part 2: Create Environment

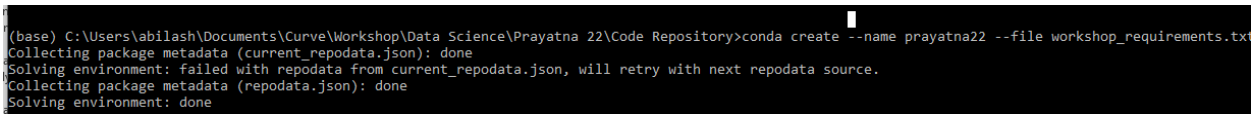
Step 1: Create a new folder in Documents folder and name it artificial_intelligence. Copy the requirements.txt file to the folder.

Step 2: Choose Windows -> Open Anaconda prompt

Step 3: Go to the location where prayatna_workshop_requirements.txt is located. Should be similar to below.

cd C:/Users/student/Docuemnts/artificial_intelligence/

Step 4: Type "**conda create --name prayatna22 --file prayatna_workshop_requirements.txt**" in anaconda prompt and hit enter. Similar to the screenshot below



Step 5: Anaconda loads for few seconds and lists down the packages. Enter 'y' to proceed

```
  win_inet_pton      pkgs/main/win-64::win_inet_pton-1.1.0-py38haa95532_0
  wincertstore       pkgs/main/win-64::wincertstore-0.2-py38haa95532_2
  winpty             pkgs/main/win-64::winpty-0.4.3-4
  wrapt              pkgs/main/win-64::wrapt-1.13.3-py38h2bbff1b_2
  xgboost            pkgs/main/win-64::xgboost-1.5.0-py38haa95532_1
  xz                 pkgs/main/win-64::xz-5.2.5-h8cc25b3_1
  yaml               pkgs/main/win-64::yaml-0.2.5-he774522_0
  yarl               pkgs/main/win-64::yarl-1.6.3-py38h2bbff1b_0
  zfp                pkgs/main/win-64::zfp-0.5.5-hd77b12b_6
  zipp               pkgs/main/noarch::zipp-3.7.0-pyhd3eb1b0_0
  zlib               pkgs/main/win-64::zlib-1.2.12-h8cc25b3_2
  zstd               pkgs/main/win-64::zstd-1.4.9-h19a0ad4_0


Proceed ([y]/n)? y
```

```
Downloading and Extracting Packages
requests-2.27.1      | 54 KB     | ########################################################################################################## | 100%
parso-0.8.3          | 70 KB     | ########################################################################################################## | 100%
absl-py-0.15.0       | 103 KB    | ########################################################################################################## | 100%
widgetsnbextension-3 | 651 KB    | ########################################################################################################## | 100%
keras-preprocessing- | 35 KB     | ########################################################################################################## | 100%
tensorboard-plugin-w | 630 KB    | ########################################################################################################## | 100%
partd-1.2.0          | 18 KB     | ########################################################################################################## | 100%
h5py-2.10.0          | 841 KB    | ########################################################################################################## | 100%
importlib-metadata-4 | 40 KB     | ########################################################################################################## | 100%
pillow-9.0.1         | 923 KB    | ########################################################################################################## | 100%
scikit-image-0.19.2  | 9.5 MB    | ########################################################################################################## | 100%
click-8.0.4          | 154 KB    | ########################################################################################################## | 100%
```

Step 6: Installation completes with the following message

```
pandocfilters-1.5.0  | 11 KB     | ########################################################################################################## | 10
Preparing transaction: done
Verifying transaction: done
Executing transaction: \

    Windows 64-bit packages of scikit-learn can be accelerated using scikit-learn-intelex.
    More details are available here: https://intel.github.io/scikit-learn-intelex

    For example:

        $ conda install scikit-learn-intelex
        $ python -m sklearnex my_application.py


/ DEBUG menuinst_win32:__init__(201): Menu: name: 'Anaconda${PY_VER} ${PLATFORM}', prefix: 'C:\ProgramData\Anaconda3\envs\prayatna22', env_name: 'pray
22', mode: 'system', used_mode: 'system', root_prefix: 'C:\ProgramData\Anaconda3'
DEBUG menuinst_win32:create(328): Shortcut cmd is C:\ProgramData\Anaconda3\python.exe, args are ['C:\\ProgramData\\Anaconda3\\cwp.py', 'C:\\ProgramDat
naconda3\\envs\\prayatna22', 'C:\\ProgramData\\Anaconda3\\envs\\prayatna22\\python.exe', 'C:\\ProgramData\\Anaconda3\\envs\\prayatna22\\Scripts\\jupyt
otebook-script.py', '"%USERPROFILE%/"']
done
#
# To activate this environment, use
#
#     $ conda activate prayatna22
#
# To deactivate an active environment, use
#
#     $ conda deactivate
```