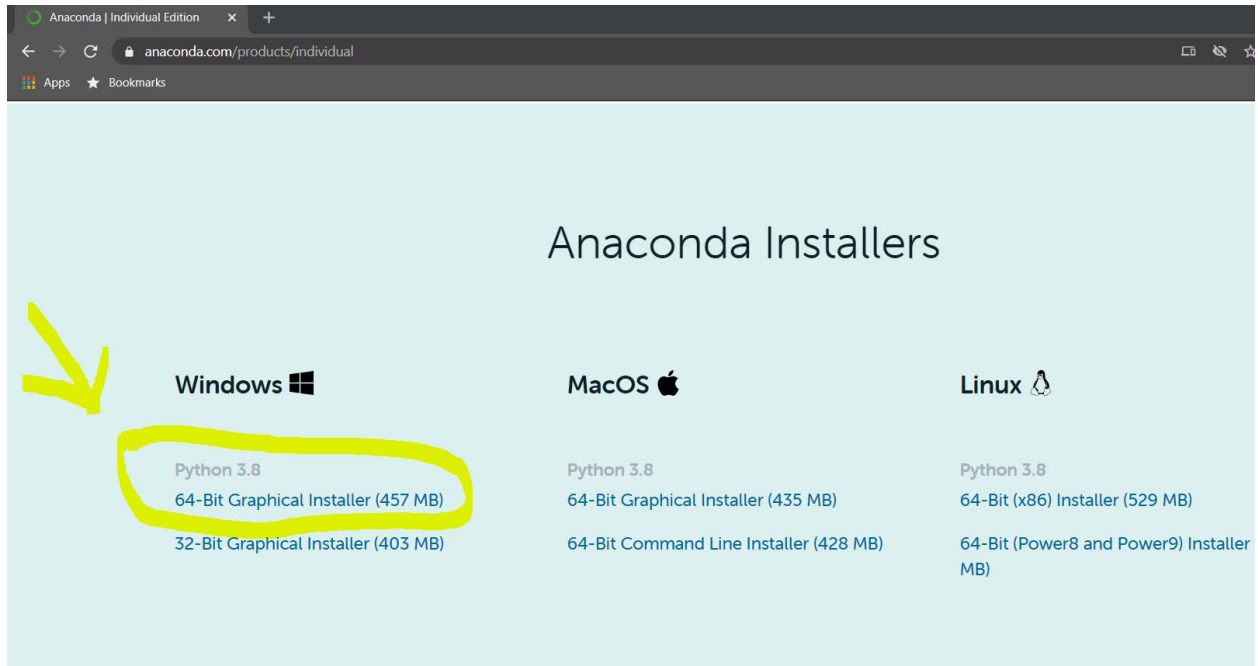


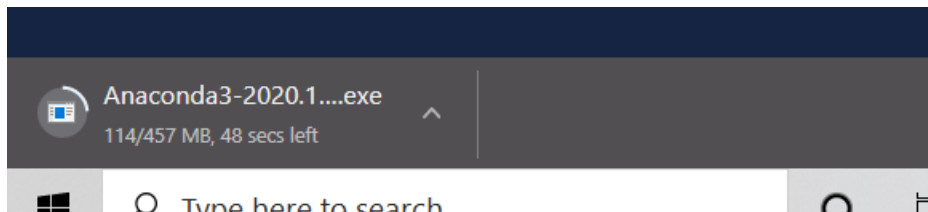
# Step 1

Go to <https://www.anaconda.com/products/individual>

Download required package. Windows 62-bit

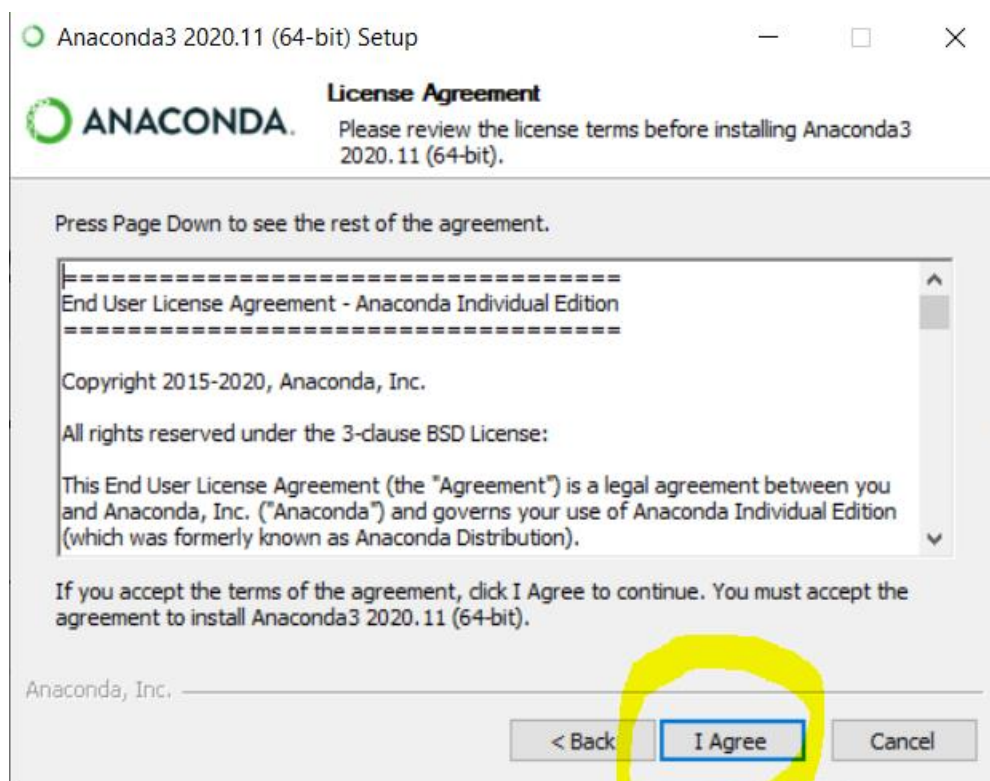
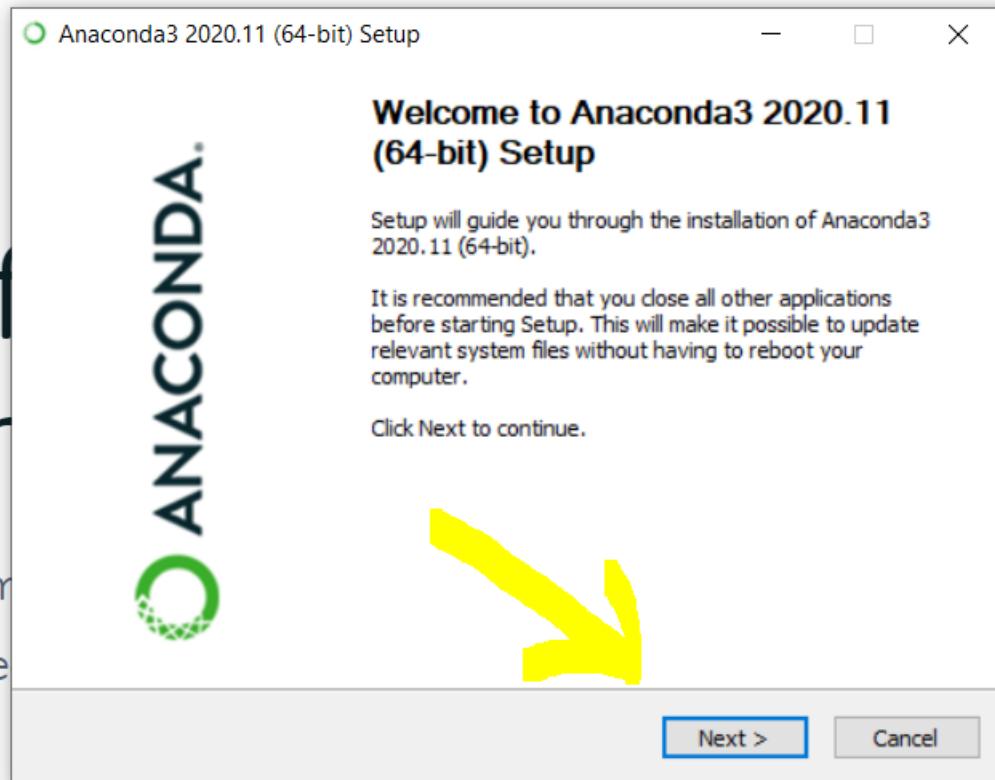


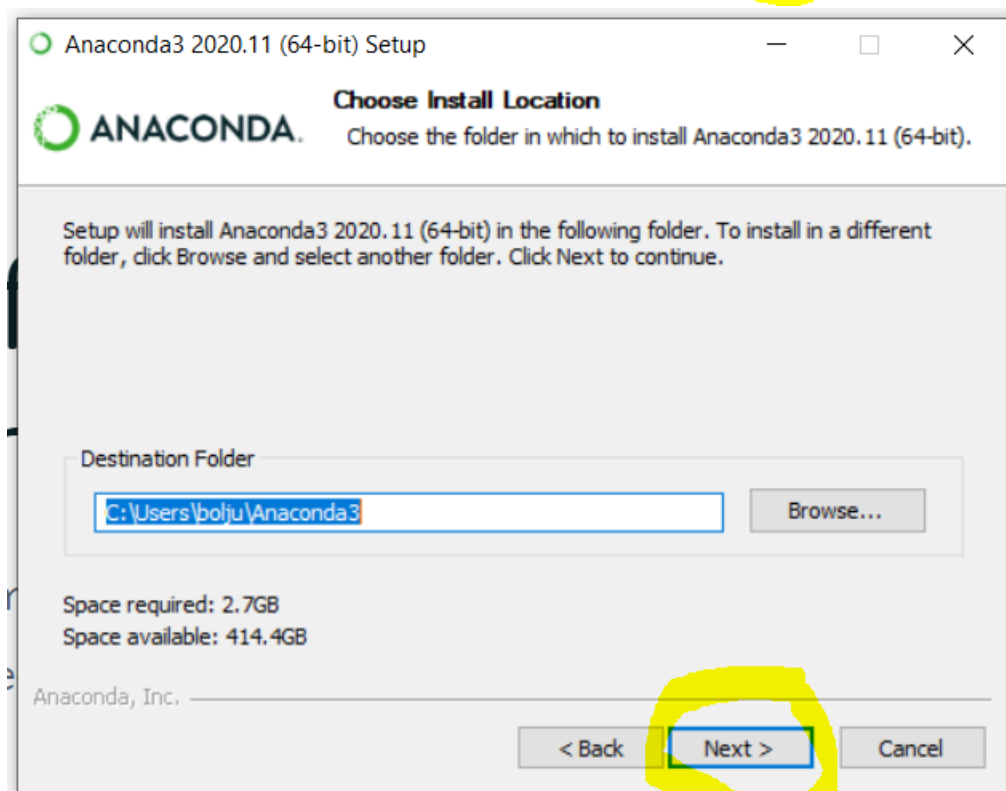
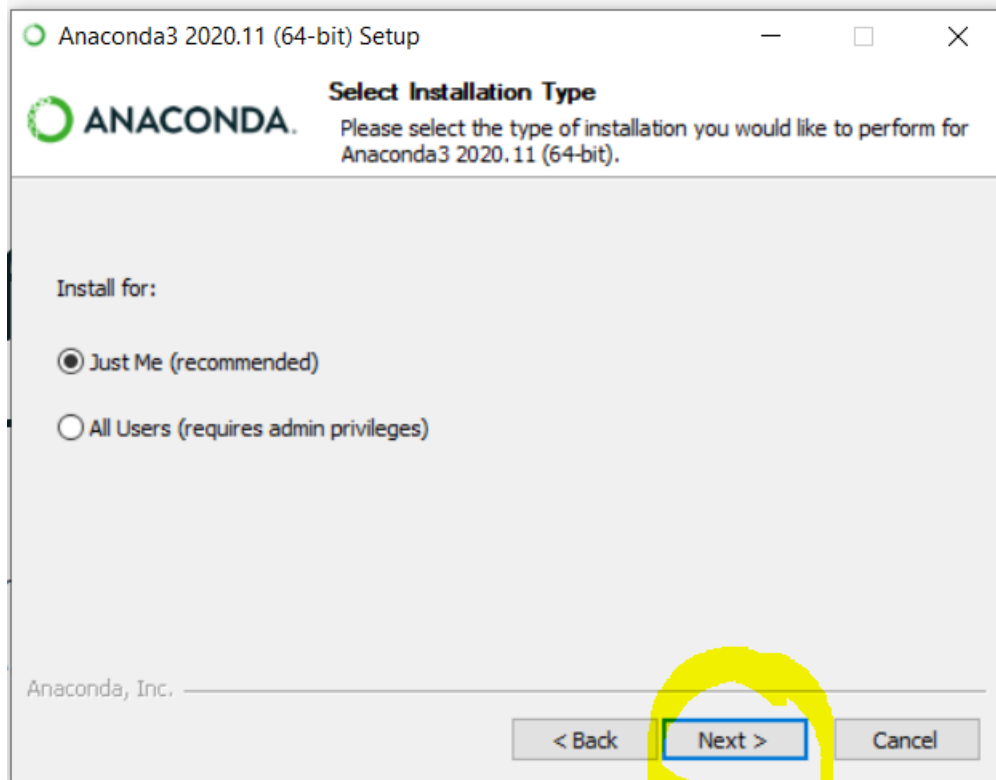
Downloading

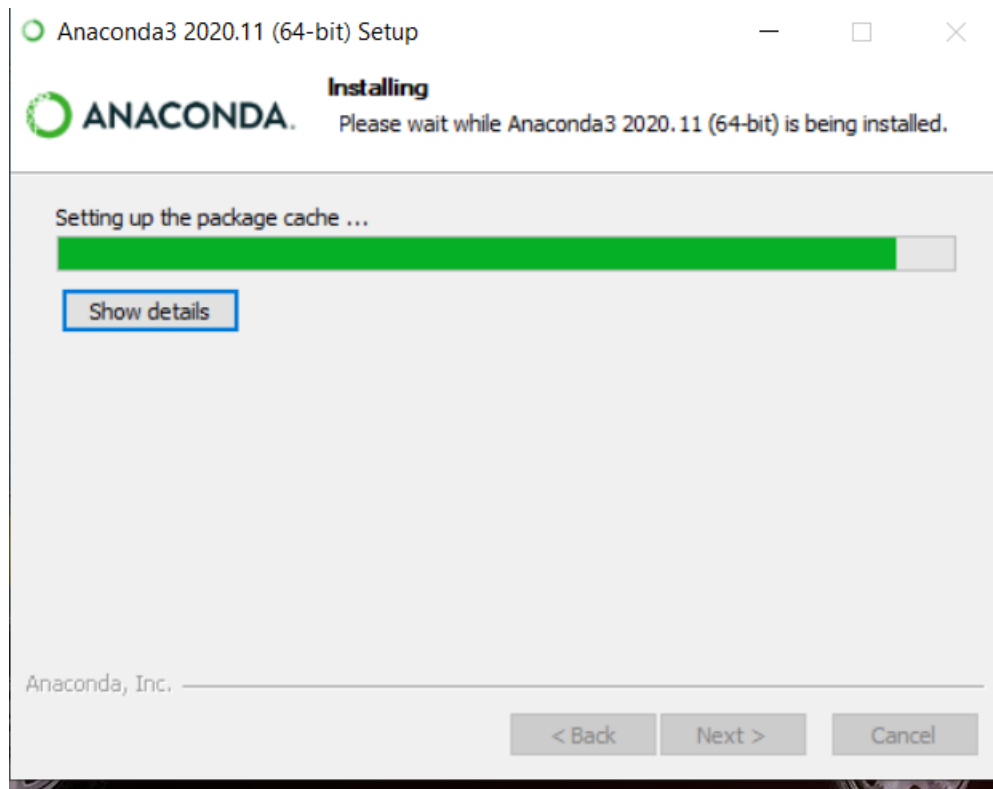
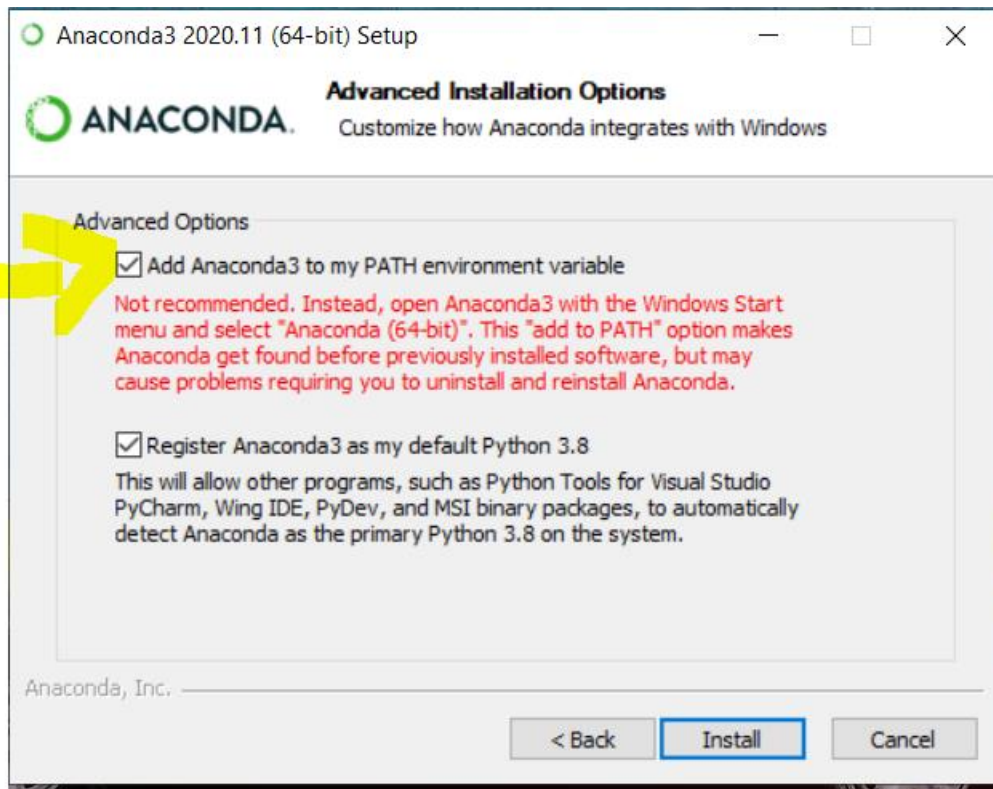


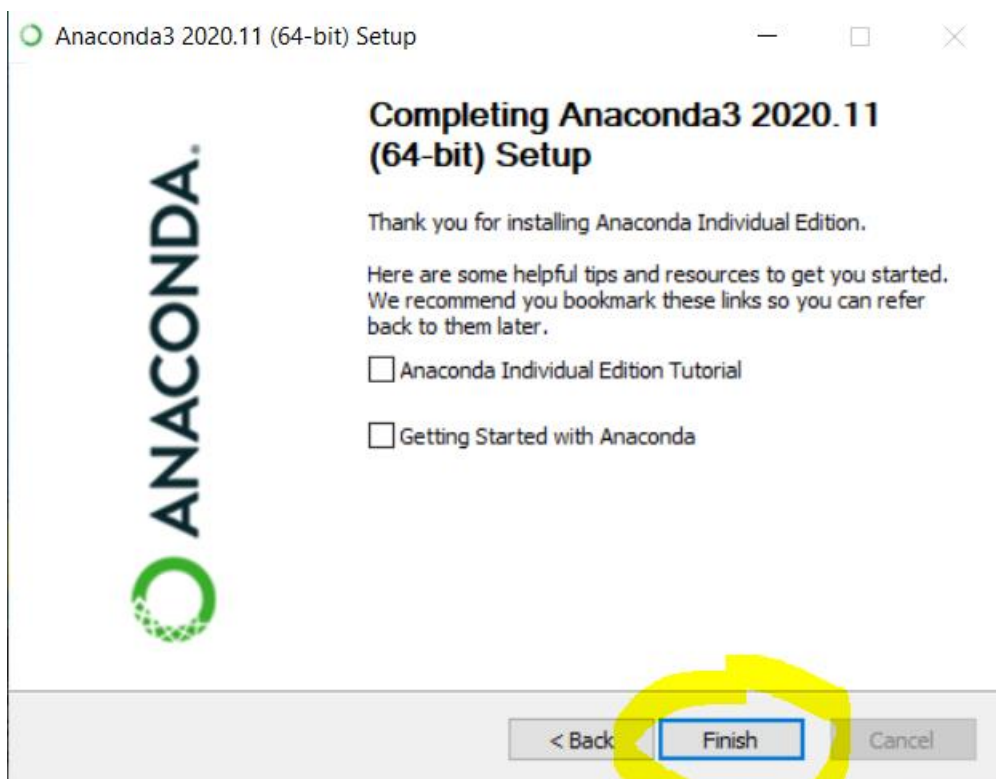
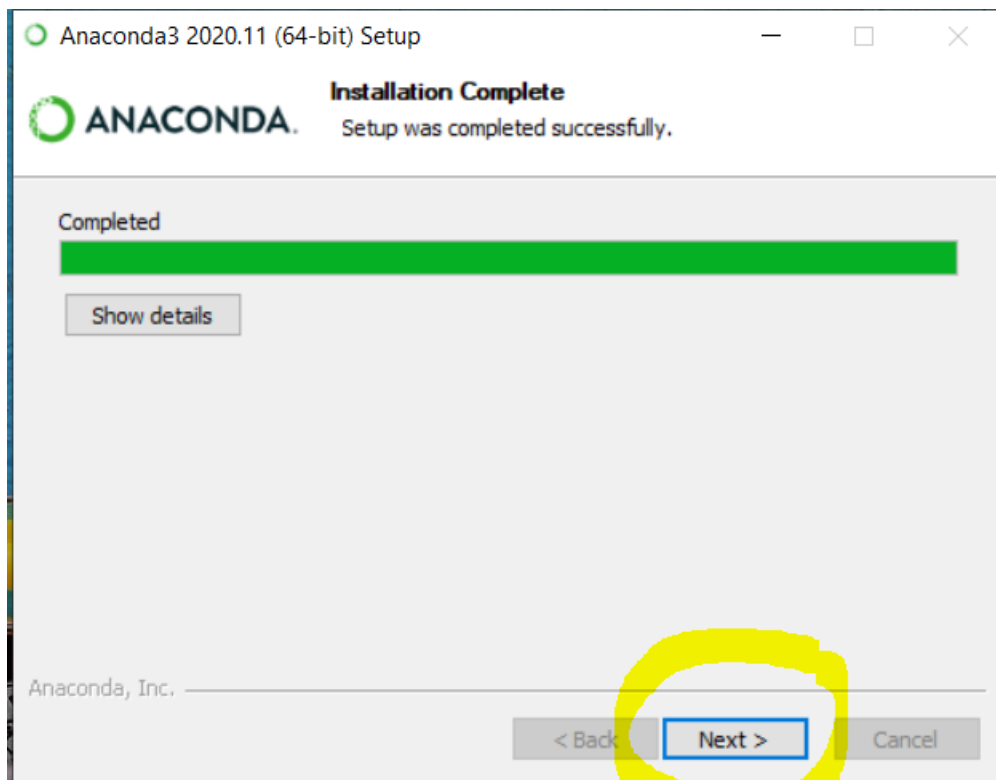
Step 2

Click on downloaded file to start installation. Then follow steps as shown.



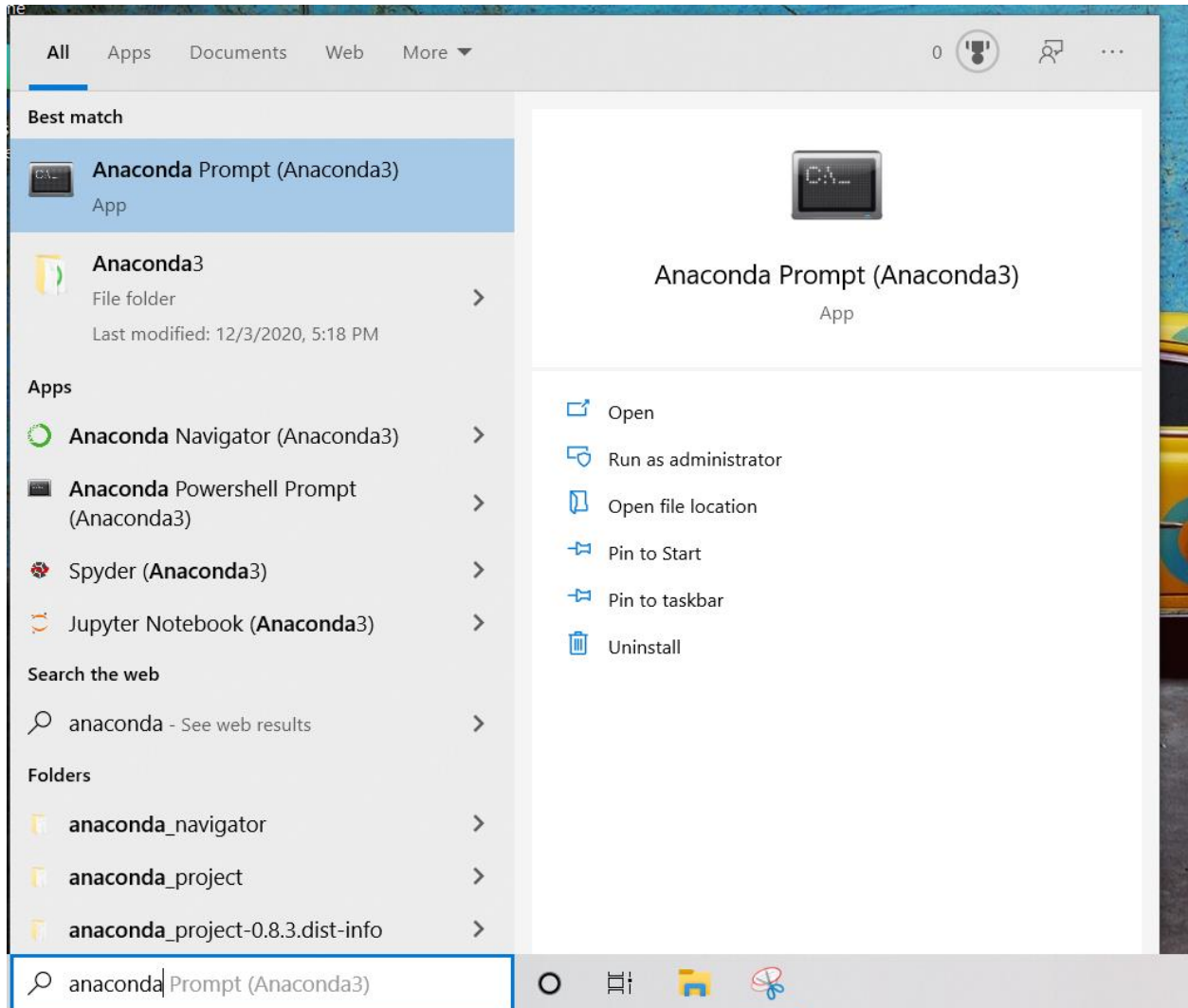






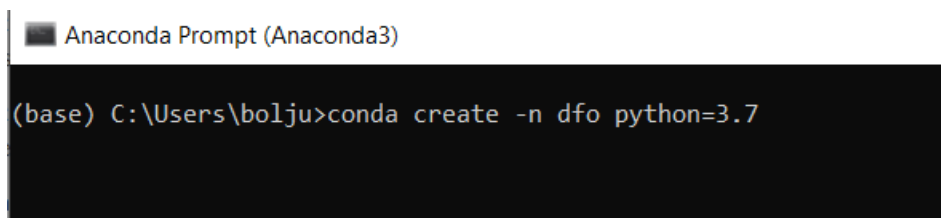
## Step 2

Open anaconda terminal



## Step 3

Create anaconda environment



You will be asked to confirm installation of required packages for environment. To confirm type Y and press Enter

```

Anaconda Prompt (Anaconda3) - conda create -n dfo python=3.7
The following packages will be downloaded:

package                                     build                                     147 KB
-----                                     -
certifi-2020.11.8                           py37haa95532_0                           1.8 MB
pip-20.3                                     py37haa95532_0                           14.4 MB
python-3.7.9                                h60c2a47_0                               727 KB
setuptools-50.3.2                           py37haa95532_2                            32 KB
wheel-0.36.0                                pyhd3eb1b0_0                             14 KB
wincertstore-0.2                            py37_0
-----
Total:                                     17.1 MB

The following NEW packages will be INSTALLED:

ca-certificates      pkgs/main/win-64::ca-certificates-2020.10.14-0
certifi              pkgs/main/win-64::certifi-2020.11.8-py37haa95532_0
openssl              pkgs/main/win-64::openssl-1.1.1h-he774522_0
pip                  pkgs/main/win-64::pip-20.3-py37haa95532_0
python               pkgs/main/win-64::python-3.7.9-h60c2a47_0
setuptools            pkgs/main/win-64::setuptools-50.3.2-py37haa95532_2
sqlite               pkgs/main/win-64::sqlite-3.33.0-h2a8f88b_0
vc                   pkgs/main/win-64::vc-14.1-h0510ff6_4
vs2015_runtime       pkgs/main/win-64::vs2015_runtime-14.16.27012-hf0eaf9b_3
wheel                 pkgs/main/noarch::wheel-0.36.0-pyhd3eb1b0_0
wincertstore         pkgs/main/win-64::wincertstore-0.2-py37_0
zlib                  pkgs/main/win-64::zlib-1.2.11-h62dcd97_4

Proceed ([y]/n)?

```

Installing..

```
Anaconda Prompt (Anaconda3) - conda create -n dfo python=3.7
Total: 17.1 MB

The following NEW packages will be INSTALLED:

ca-certificates      pkgs/main/win-64::ca-certificates-2020.10.14-0
certifi              pkgs/main/win-64::certifi-2020.11.8-py37haa95532_0
openssl              pkgs/main/win-64::openssl-1.1.1h-he774522_0
pip                  pkgs/main/win-64::pip-20.3-py37haa95532_0
python               pkgs/main/win-64::python-3.7.9-h60c2a47_0
setuptools           pkgs/main/win-64::setuptools-50.3.2-py37haa95532_2
sqlite               pkgs/main/win-64::sqlite-3.33.0-h2a8f88b_0
vc                   pkgs/main/win-64::vc-14.1-h0510ff6_4
vs2015_runtime       pkgs/main/win-64::vs2015_runtime-14.16.27012-hf0eaf9b_3
wheel                pkgs/main/noarch::wheel-0.36.0-pyhd3eb1b0_0
wincertstore         pkgs/main/win-64::wincertstore-0.2-py37_0
zlib                 pkgs/main/win-64::zlib-1.2.11-h62dcd97_4

Proceed ([y]/n)? y

Downloading and Extracting Packages
python-3.7.9          | 14.4 MB | ##### | 100%
setuptools-50.3.2    | 727 KB | ##### | 100%
certifi-2020.11.8    | 147 KB | ##### | 100%
wincertstore-0.2     | 14 KB  | ##### | 100%
pip-20.3              | 1.8 MB | ##### | 100%
wheel-0.36.0         | 32 KB  | ##### | 100%
Preparing transaction: done
Verifying transaction: |
```

## Step 4

Activate environment

```
(base) C:\Users\bolju>conda activate dfo
```

You will now need to install required python packages.

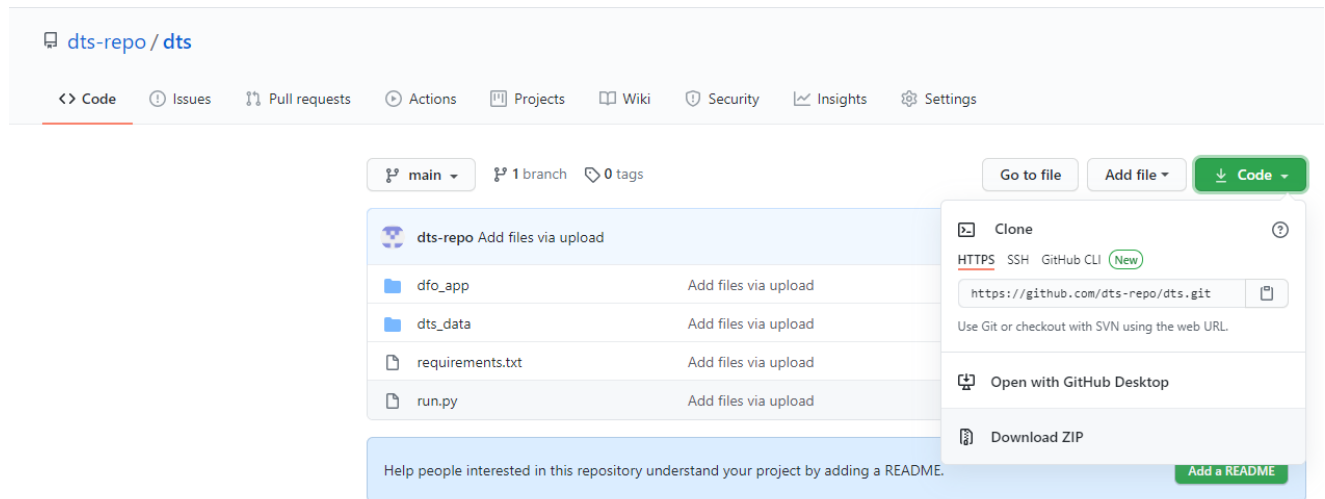
## Step 5

Now download app files from github repository

<https://github.com/dts-repo/dts>

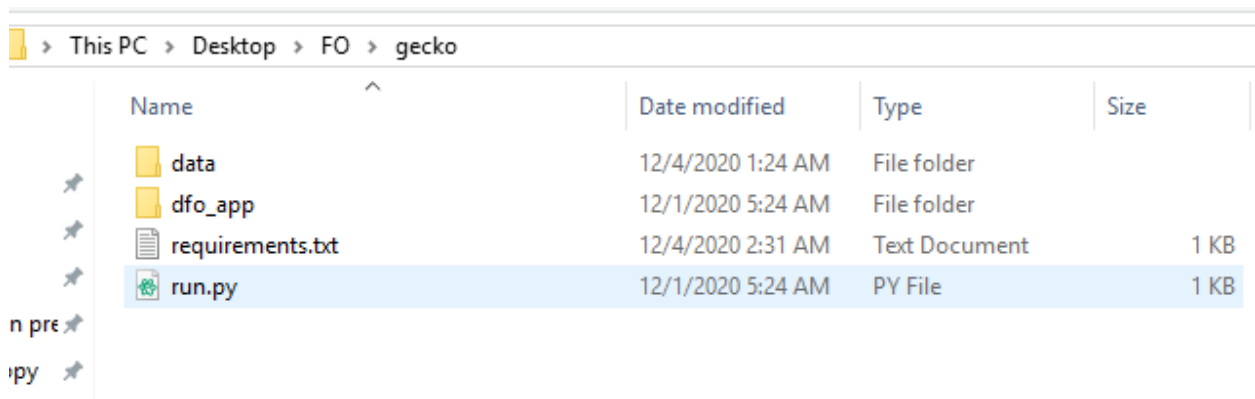
Download zip file and unzip to required folder. Like in the image below





## Step 6

Unzip files to a folder. Final picture which need to look like this.



## Step 7

Open anaconda prompt and go to the unzipped folder

```
(dfo) C:\Users\bolju>cd C:\Users\bolju\Desktop\Projects\gecko
```

## Step 8

Run command to install required python packages

```
(dfo) C:\Users\bolju\Desktop\Projects\gecko>pip install -r requirements.txt
```

This will download all packages automatically

```
Anaconda Prompt (Anaconda3) - pip install -r requirements.txt
  Downloading Flask_SocketIO-4.3.1-py2.py3-none-any.whl (15 kB)
Collecting future==0.18.2
  Downloading future-0.18.2.tar.gz (829 kB)
    |████████████████████| 829 kB 3.3 MB/s
Collecting greenlet==0.4.17
  Downloading greenlet-0.4.17-cp37-cp37m-win_amd64.whl (19 kB)
Collecting ipython==7.19.0
  Downloading ipython-7.19.0-py3-none-any.whl (784 kB)
    |████████████████████| 784 kB 6.8 MB/s
Requirement already satisfied: setuptools>=18.5 in c:\users\bolju\anaconda3\envs\gecko\lib\site-packages (50.3.2.post20201201)
Collecting ipython-genutils==0.2.0
  Downloading ipython_genutils-0.2.0-py2.py3-none-any.whl (26 kB)
Collecting itsdangerous==1.1.0
  Downloading itsdangerous-1.1.0-py2.py3-none-any.whl (16 kB)
Collecting jedi==0.17.2
  Downloading jedi-0.17.2-py2.py3-none-any.whl (1.4 MB)
    |████████████████████| 1.4 MB 6.4 MB/s
Collecting Jinja2==2.11.2
  Downloading Jinja2-2.11.2-py2.py3-none-any.whl (125 kB)
    |████████████████████| 125 kB 6.4 MB/s
Collecting lasio==0.28
  Downloading lasio-0.28-py3-none-any.whl (39 kB)
Collecting MarkupSafe==1.1.1
  Downloading MarkupSafe-1.1.1-cp37-cp37m-win_amd64.whl (16 kB)
Collecting netifaces==0.10.9
  Downloading netifaces-0.10.9-cp37-cp37m-win_amd64.whl (16 kB)
Collecting numpy==1.19.4
  Downloading numpy-1.19.4-cp37-cp37m-win_amd64.whl (12.9 MB)
    |████████████████████| 10.0 MB 6.8 MB/s eta 0:00:01
```

## Step 9

Run DFO app server

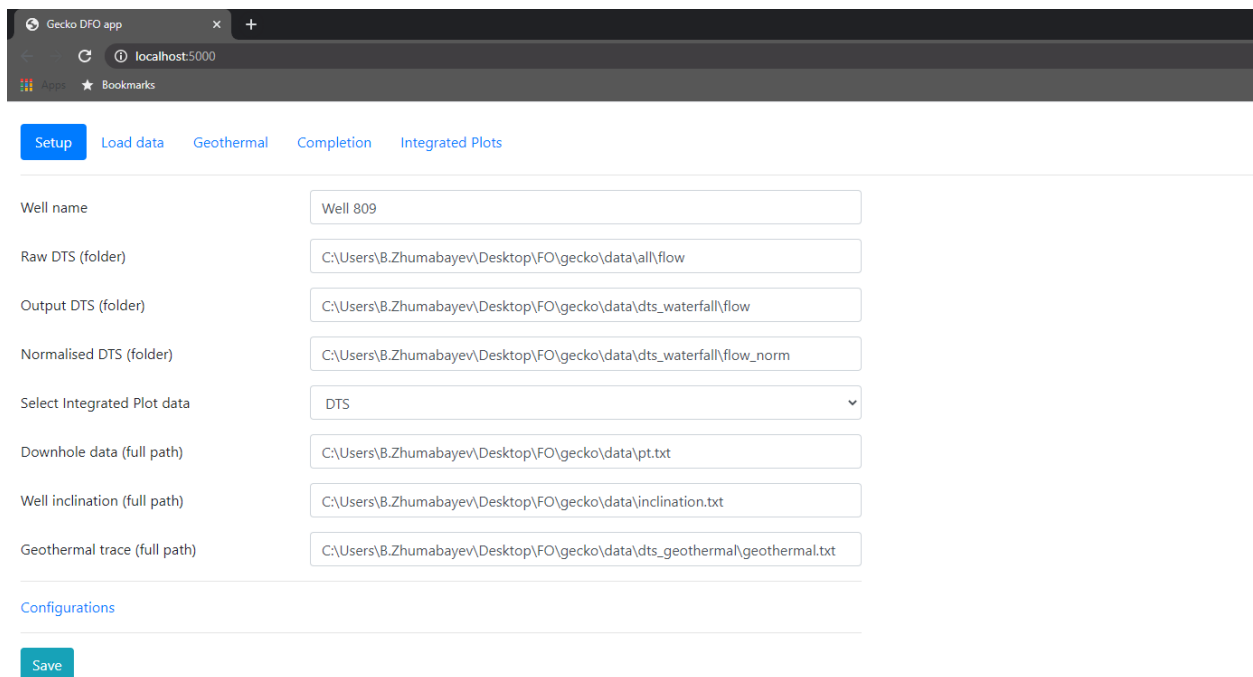
```
(dfo) C:\Users\bolju\Desktop\Projects\gecko>python run.py
```

The result should look like this

```
(dfo2) C:\Users\B.Zhumabayev\Desktop\FO\gecko>python run.py
* Restarting with stat
* Debugger is active!
* Debugger PIN: 315-335-365
(14192) wsgi starting up on http://127.0.0.1:5000
```

Your server is on!

You can now go to <http://localhost:5000>



The screenshot shows a web browser window with the title "Gecko DFO app" and the address bar displaying "localhost:5000". The page has a navigation bar with tabs: "Setup" (active), "Load data", "Geothermal", "Completion", and "Integrated Plots". Below the navigation bar, there is a form with several input fields and a dropdown menu. The fields are labeled as follows:

- Well name: Well 809
- Raw DTS (folder): C:\Users\B.Zhumabayev\Desktop\FO\gecko\data\all\flow
- Output DTS (folder): C:\Users\B.Zhumabayev\Desktop\FO\gecko\data\dts\_waterfall\flow
- Normalised DTS (folder): C:\Users\B.Zhumabayev\Desktop\FO\gecko\data\dts\_waterfall\flow\_norm
- Select Integrated Plot data: DTS (dropdown menu)
- Downhole data (full path): C:\Users\B.Zhumabayev\Desktop\FO\gecko\data\pt.txt
- Well inclination (full path): C:\Users\B.Zhumabayev\Desktop\FO\gecko\data\inclination.txt
- Geothermal trace (full path): C:\Users\B.Zhumabayev\Desktop\FO\gecko\data\dts\_geothermal\geothermal.txt

Below the form, there is a link labeled "Configurations" and a "Save" button.