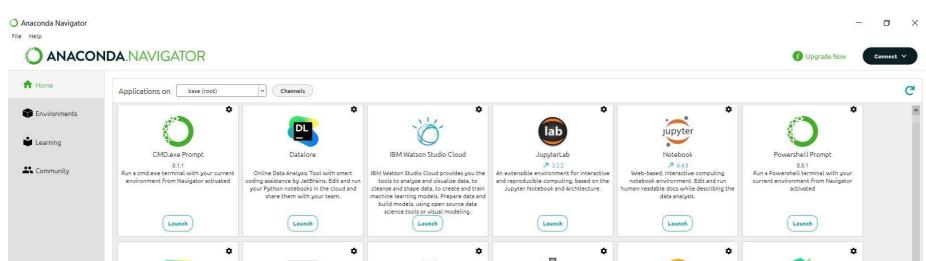
## **Prerequisites**

Date	19 November 2022
Team ID	PNT2022TMID41657
Project Name	AI-Powered Nutrition Analyzer For Fitness
	Enthusiasts

## **ANACONDA NAVIGATOR:**

Anaconda Navigator is a free and open-source distribution of the Python and R programming languages for data science and machine learning-related applications. It can be installed on Windows, Linux, and macOS. Conda is an open-source, cross-platform, package management system. Anaconda comes with great tools like JupyterLab, Jupyter Notebook, QtConsole, Spyder, Glueviz, Orange, Rstudio, Visual Studio Code.

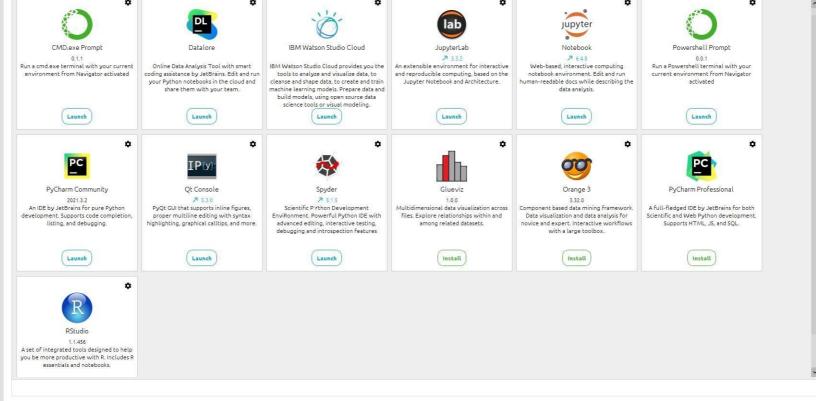
For this project, we will be using a Jupyter notebook and Spyder.



O # 0 = ~ O O = =



P Type here to search



- Python packages:
  - open anaconda prompt as administrator



• Type "pip install numpy" and click enter



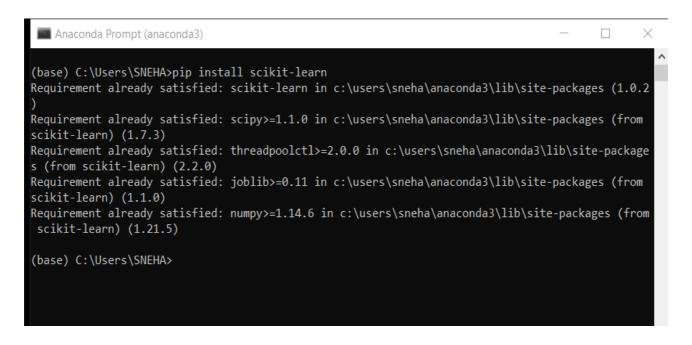
• Type "pip install pandas" and click enter.

```
(base) C:\Users\SNEHA>pip install pandas
Requirement already satisfied: pandas in c:\users\sneha\anaconda3\lib\site-packages (1.4.2)
Requirement already satisfied: pytz>=2020.1 in c:\users\sneha\anaconda3\lib\site-packages (from pandas) (2021.3)
Requirement already satisfied: numpy>=1.18.5 in c:\users\sneha\anaconda3\lib\site-packages (from pandas) (1.21.5)
Requirement already satisfied: python-dateutil>=2.8.1 in c:\users\sneha\anaconda3\lib\site-packages (from pandas) (2.8.2)

Requirement already satisfied: six>=1.5 in c:\users\sneha\anaconda3\lib\site-packages (from python-dateutil>=2.8.1->pand as) (1.16.0)

(base) C:\Users\SNEHA>
```

• Type "pip install scikit-learn" and click enter.



Type "pip install tensorflow==2.3.0" and click enter.

```
Anaconda Prompt (anaconda3)
                                                                                                                                                                                                         - 🗇 X
base) C:\Users\SNEHA>pip install tensorflow
 equirement already satisfied: tensorflow in c:\users\sneha\anaconda3\lib\site-packages (2.9.1)
 equirement already satisfied: termcolor>=1.1.0 in c:\users\sneha\anaconda3\lib\site-packages (from tensorflow) (1.1.0)
 equirement already satisfied: numpy>=1.20 in c:\users\sneha\anaconda3\lib\site-packages (from tensorflow) (1.21.5)
Requirement already satisfied: libclang>=13.0.0 in c:\users\sneha\anaconda3\lib\site-packages (from tensorflow) (14.0.6)
 equirement already satisfied: gast<=0.4.0,>=0.2.1 in c:\users\sneha\anaconda3\lib\site-packages (from tensorflow) (0.4.0)
 equirement already satisfied: opt-einsum>=2.3.2 in c:\users\sneha\anaconda3\lib\site-packages (from tensorflow) (3.3.0)
 equirement already satisfied: google-pasta>=0.1.1 in c:\users\sneha\anaconda3\lib\site-packages (from tensorflow) (0.2.0)
 equirement already satisfied: keras<2.10.0,>=2.9.0rc0 in c:\users\sneha\anaconda3\lib\site-packages (from tensorflow) (2.9.0)
 equirement already satisfied: six>=1.12.0 in c:\users\sneha\anaconda3\lib\site-packages (from tensorflow) (1.16.0)
 equirement already satisfied: setuptools in c:\users\sneha\anaconda3\lib\site-packages (from tensorflow) (61.2.0)
  quirement already satisfied: protobuf<3.20,>=3.9.2 in c:\users\sneha\anaconda3\lib\site-packages (from tensorflow) (3.19.1)
 equirement already satisfied: grpcio<2.0,>=1.24.3 in c:\users\sneha\anaconda3\lib\site-packages (from tensorflow) (1.42.0)
 equirement already satisfied: absl-py>=1.0.0 in c:\users\sneha\anaconda3\lib\site-packages (from tensorflow) (1.2.0)
 equirement already satisfied: tensorboard<2.10,>=2.9 in c:\users\sneha\anaconda3\lib\site-packages (from tensorflow) (2.9.1)
 equirement already satisfied: packaging in c:\users\sneha\anaconda3\lib\site-packages (from tensorflow) (21.3)
 equirement already satisfied: astunparse>=1.6.0 in c:\users\sneha\anaconda3\lib\site-packages (from tensorflow) (1.6.3)
 equirement already satisfied: h5py>=2.9.0 in c:\users\sneha\anaconda3\lib\site-packages (from tensorflow) (3.6.0)
 equirement already satisfied: tensorflow-io-gcs-filesystem>=0.23.1 in c:\users\sneha\anaconda3\lib\site-packages (from tensorflow) (0.26.0)
 equirement already satisfied: wrapt>=1.11.0 in c:\users\sneha\anaconda3\lib\site-packages (from tensorflow) (1.12.1)
 equirement already satisfied: typing-extensions>=3.6.6 in c:\users\sneha\anaconda3\lib\site-packages (from tensorflow) (4.1.1)
 equirement already satisfied: flatbuffers<2,>=1.12 in c:\users\sneha\anaconda3\lib\site-packages (from tensorflow) (1.12)
Requirement already satisfied: keras-preprocessing>=1.1.1 in c:\users\sneha\anaconda3\lib\site-packages (from tensorflow) (1.1.2)
 equirement already satisfied: tensorflow-estimator<2.10.0,>=2.9.0rc0 in c:\users\sneha\anaconda3\lib\site-packages (from tensorflow) (2.9.0)
 equirement already satisfied: wheel<1.0,>=0.23.0 in c:\users\sneha\anaconda3\lib\site-packages (from astunparse>=1.6.0->tensorflow) (0.37.1)
 equirement already satisfied: werkzeug>=1.0.1 in c:\users\sneha\anaconda3\lib\site-packages (from tensorboard<2.10,>=2.9->tensorflow) (2.0.3)
 equirement already satisfied: markdown>=2.6.8 in c:\users\sneha\anaconda3\lib\site-packages (from tensorboard<2.10,>=2.9->tensorflow) (3.3.4)
 equirement already satisfied: tensorboard-plugin-wit>=1.6.0 in c:\users\sneha\anaconda3\lib\site-packages (from tensorboard<2.10,>=2.9->tensorflow) (1.8.1)
Requirement already satisfied: google-auth(3,>=1.6.3 in c:\users\sneha\anaconda3\lib\site-packages (from tensorboard<2.10,>=2.9-\tensorflow) (1.33.0)
Requirement already satisfied: tensorboard-data-server<0.7.0,>=0.6.0 in c:\users\sneha\anaconda3\lib\site-packages (from tensorboard<2.10,>=2.9-\tensorflow) (0.6.1)
 equirement already satisfied: requests<3,>=2.21.0 in c:\users\sneha\anaconda3\lib\site-packages (from tensorboard<2.10,>=2.9->tensorflow) (2.27.1)
 equirement already satisfied: google-auth-oauthlib<0.5,>=0.4.1 in c:\users\sneha\anaconda3\lib\site-packages (from tensorboard<2.10,>=2.9->tensorflow) (0.4.6)
 equirement already satisfied: rsa<5,>=3.1.4 in c:\users\sneha\anaconda3\lib\site-packages (from google-auth<3,>=1.6.3->tensorboard<2.10,>=2.9->tensorflow) (4.7.2)
 equirement already satisfied: cachetools<5.0,>=2.0.0 in c:\users\sneha\anaconda3\lib\site-packages (from google-auth<3,>=1.6.3->tensorboard<2.10,>=2.9->tensorflow) (4.2.2)
 equirement already satisfied: pyasn1-modules>=0.2.1 in c:\users\sneha\anaconda3\lib\site-packages (from google-auth<3,>=1.6.3->tensorboard<2.10,>=2.9->tensorflow) (0.2.8)
 equirement already satisfied: requests-oauthlib>=0.7.0 in c:\users\sneha\anaconda3\lib\site-packages (from google-auth-oauthlib<0.5.>=0.4.1->tensorboard<2.10.>=2.9->tensorflow) (1.3.1)
 equirement already satisfied: pyasn1<0.5.0,>=0.4.6 in c:\users\sneha\anaconda3\lib\site-packages (from pyasn1-modules>=0.2.1->google-auth<3,>=1.6.3->tensorboard<2.10,>=2.9->tensorflow) (0.4.8)
 equirement already satisfied: urllib3<1.27,>=1.21.1 in c:\users\sneha\anaconda3\lib\site-packages (from requests<3,>=2.21.0->tensorboard<2.10,>=2.9->tensorflow) (1.26.9)
  quirement already satisfied: idna<4,>=2.5 in c:\users\sneha\anaconda3\lib\site-packages (from requests<3,>=2.21.0->tensorboard<2.10,>=2.9->tensorflow) (3.3)
 equirement already satisfied: charset-normalizer~=2.0.0 in c:\users\sneha\anaconda3\lib\site-packages (from requests<3,>=2.21.0->tensorboard<2.10,>=2.9->tensorflow) (2.0.4)
 equirement already satisfied: certifi>=2017.4.17 in c:\users\sneha\anaconda3\lib\site-packages (from requests<3,>=2.21.0->tensorboard<2.10,>=2.9->tensorflow) (2021.10.8)
 equirement already satisfied: oauthlib>=3.0.0 in c:\users\sneha\anaconda3\lib\site-packages (from requests-oauthlib>=0.7.0->google-auth-oauthlib<0.5,>=0.4.1->tensorboard<2.10,>=2.9->tensorflow) (3.2.0)
 equirement already satisfied: pyparsing!=3.0.5,>=2.0.2 in c:\users\sneha\anaconda3\lib\site-packages (from packaging->tensorflow) (3.0.4)
 base) C:\Users\SNEHA>
```

• Type "pip install keras==2.4.0" and click enter.

```
Manaconda Prompt (anaconda3)

(base) C:\Users\SNEHA>pip install keras
Requirement already satisfied: keras in c:\users\sneha\anaconda3\lib\site-packages (2.9.0)

(base) C:\Users\SNEHA>
```

Type "pip install Flask" and click enter

