PREREQUISITES

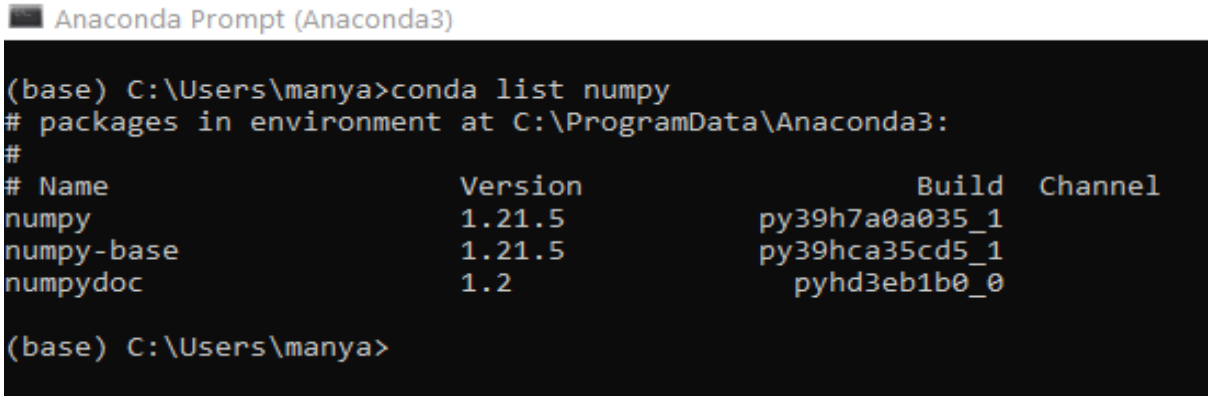
Date	20 October 2022
Team ID	PNT2022TMID27826
Project Name	Project - AI-powered Nutrition Analyzer for Fitness Enthusiasts

1.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.

2.Flask - Web framework used for building Web applications.

- Python packages to be installed:
  - open anaconda prompt as administrator
  - Type “pip install numpy” and click enter.
  - Type “pip install pandas” and click enter.
  - Type “pip install scikit-learn” and click enter.
  - Type “pip install tensorflow” and click enter.
  - Type “pip install keras” and click enter.
  - Type “pip install Flask” and click enter.



```
(base) C:\Users\manya>pip show pandas
Name: pandas
Version: 1.4.2
Summary: Powerful data structures for data analysis, time series, and statistics
Home-page: https://pandas.pydata.org
Author: The Pandas Development Team
Author-email: pandas-dev@python.org
License: BSD-3-Clause
Location: c:\programdata\anaconda3\lib\site-packages
Requires: numpy, python-dateutil, pytz
Required-by: watson-machine-learning-client, ibm-watson-machine-learning, xarray, statsmodels, seaborn, hvplot, holoviews, datashader

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

```
(base) C:\Users\manya>python
Python 3.9.12 (main, Apr  4 2022, 05:22:27) [MSC v.1916 64 bit (AMD64)] :: Anaconda, Inc. on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> import sklearn
>>> sklearn.__version__
'1.0.2'
>>>
```

```
(base) C:\Users\manya>pip show tensorflow
Name: tensorflow
Version: 2.5.3
Summary: TensorFlow is an open source machine learning framework for eve
Home-page: https://www.tensorflow.org/
Author: Google Inc.
Author-email: packages@tensorflow.org
License: Apache 2.0
Location: c:\users\manya\appdata\roaming\python\python39\site-packages
Requires: astunparse, termcolor, six, numpy, protobuf, tensorflow-estima
ogle-pasta, keras-nightly, h5py, typing-extensions, wheel
Required-by: Keras

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

```
(base) C:\Users\manya>python
Python 3.9.12 (main, Apr  4 2022, 05:22:27) [MSC v.1916 64 bit (AMD64)] :: Anaconda, Inc. on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> import keras
2022-11-18 09:46:20.294176: W tensorflow/stream_executor/platform/default/dso_loader.cc:64] Could n
 not found
2022-11-18 09:46:20.294393: I tensorflow/stream_executor/cuda/cudart_stub.cc:29] Ignore above cudar
Using TensorFlow backend.
>>> print(keras.__version__)
2.5.0
>>>
```

```
(base) C:\Users\manya>python
Python 3.9.12 (main, Apr  4 2022, 05:22:27) [MSC v.1916 64 bit (AMD64)] :: Anaconda, Inc. on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> import flask
>>> flask.__version__
'1.1.2'
>>>
```