

Ex No: 1

INSTALLATION AND CONFIGURATION OF TENSORFLOW

Aim:

To install and configure TensorFlow in anaconda environment.

Procedure:

1. Download Anaconda Navigator and install.
2. Open Anaconda prompt
3. Create a new environment dlc with python 3.7 using the following command:

```
conda create -n dlc python=3.7
```

4. Activate newly created environment dlc using the following command:

```
conda activate dlc
```

5. In dlc prompt, install tensorflow using the following command:

```
pip install tensorflow
```

6. Next install Tensorflow-datasets using the following command:

```
pip install tensorflow-datasets
```

7. Install scikit-learn package using the following command:

```
pip install scikit-learn
```

8. Install pandas package using the following command:

```
pip install pandas
```

9. Lastly, install jupyter notebook

```
pip install jupyter notebook
```

10. Open jupyter notebook by typing the following in dlc prompt:

```
jupyter notebook
```

11. Click create new and then choose python 3 (ipykernel)

12. Give the name to the file

13. Type the code and click Run button to execute (eg. Type `import tensorflow` and then run)

Output:

```
import tensorflow
```

Result:

Thus the installation and configuration of TensorFlow in anaconda environment has been executed successfully.