1. Install miniconda

   Download the miniconda from the website:

   wget https://repo.anaconda.com/miniconda/Miniconda3-latest-Linux-x86_64.sh

   Install miniconda:

   bash Miniconda3-latest-Linux-x86_64

2. Run miniconda

   source ~/.bashrc

3. Create and activate conda environment.

   Create conda environment:

   conda create -n tf2.2.0 python=3.8.5

   (tf2.2.0 is the name of the environment, you can create your own name.)

   (you can choose the python version that you want to install in your conda environment. If you didn't choose the version, the system will install the latest version of python)

   Activate conda environment:

   conda activate tf2.2.0

   From now on, you will run your python code in the tf2.2.0 environment

4. Install tensorflow

   conda install tensorflow-gpu==2.2.0

   (To check that whether TensorFlow can access a GPU,

   type:

   python

   import tensorflow as tf

   tf.test.is_gpu_available()

```
(tf1.1.0) szc0173@mrilnx244:~$ python
Python 3.8.5 (default, Sep  4 2020, 07:30:14)
[GCC 7.3.0] :: Anaconda, Inc. on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> import tensorflow as tf
>>> tf.test.is_gpu_available()
```

   It will return True if a gpu device of the requested kind is available.)

```
2021-04-26 16:22:13.280647: I tens
00, Compute Capability 7.5
True
>>>
```

5. Install keras

   conda install keras==2.4.3