

In [1]: `!pip install tensorflow`

```
Requirement already satisfied: tensorflow in c:\users\lenovo\anaconda3\lib\site-packages (2.14.0)
Requirement already satisfied: tensorflow-intel==2.14.0 in c:\users\lenovo\anaconda3\lib\site-packages (from tensorflow) (2.14.0)
Requirement already satisfied: six>=1.12.0 in c:\users\lenovo\anaconda3\lib\site-packages (from tensorflow-intel==2.14.0->tensorflow) (1.16.0)
Requirement already satisfied: gast!=0.5.0,!0.5.1,!0.5.2,>=0.2.1 in c:\users\lenovo\anaconda3\lib\site-packages (from tensorflow-intel==2.14.0->tensorflow) (0.5.4)
Requirement already satisfied: wrapt<1.15,>=1.11.0 in c:\users\lenovo\anaconda3\lib\site-packages (from tensorflow-intel==2.14.0->tensorflow) (1.14.1)
Requirement already satisfied: absl-py>=1.0.0 in c:\users\lenovo\anaconda3\lib\site-packages (from tensorflow-intel==2.14.0->tensorflow) (2.0.0)
Requirement already satisfied: tensorflow-io-gcs-filesystem>=0.23.1 in c:\users\lenovo\anaconda3\lib\site-packages (from tensorflow-intel==2.14.0->tensorflow) (0.31.0)
Requirement already satisfied: ml-dtypes==0.2.0 in c:\users\lenovo\anaconda3\lib\site-packages (from tensorflow-intel==2.14.0->tensorflow) (0.2.0)
Requirement already satisfied: grpcio<2.0,>=1.24.3 in c:\users\lenovo\anaconda3\lib\site-packages (from tensorflow-intel==2.14.0->tensorflow) (1.59.0)
Requirement already satisfied: opt-einsum>=2.3.2 in c:\users\lenovo\anaconda3\lib\site-packages (from tensorflow-intel==2.14.0->tensorflow) (3.3.0)
Requirement already satisfied: google-pasta>=0.1.1 in c:\users\lenovo\anaconda3\lib\site-packages (from tensorflow-intel==2.14.0->tensorflow) (0.2.0)
Requirement already satisfied: flatbuffers>=23.5.26 in c:\users\lenovo\anaconda3\lib\site-packages (from tensorflow-intel==2.14.0->tensorflow) (23.5.26)
Requirement already satisfied: tensorboard<2.15,>=2.14 in c:\users\lenovo\anaconda3\lib\site-packages (from tensorflow-intel==2.14.0->tensorflow) (2.14.1)
Requirement already satisfied: typing-extensions>=3.6.6 in c:\users\lenovo\anaconda3\lib\site-packages (from tensorflow-intel==2.14.0->tensorflow) (4.4.0)
Requirement already satisfied: numpy>=1.23.5 in c:\users\lenovo\anaconda3\lib\site-packages (from tensorflow-intel==2.14.0->tensorflow) (1.23.5)
Requirement already satisfied: protobuf!=4.21.0,!4.21.1,!4.21.2,!4.21.3,!4.21.4,!4.21.5,<5.0.0dev,>=3.20.3 in c:\users\lenovo\anaconda3\lib\site-packages (from tensorflow-intel==2.14.0->tensorflow) (4.24.4)
Requirement already satisfied: setuptools in c:\users\lenovo\anaconda3\lib\site-packages (from tensorflow-intel==2.14.0->tensorflow) (65.5.0)
```

In [2]: `import tensorflow as tf`  
`print(tf.__version__)`  
2.14.0

In [3]: `print(tf.reduce_sum(tf.random.normal([1000, 1000])))`  
tf.Tensor(1087.2054, shape=(), dtype=float32)

In [4]: `from tensorflow import keras`  
`from keras import datasets`

In [5]: `(train_images, train_labels), (test_images, test_labels) = datasets.mnist.load_data()`  
`train_images.shape, test_images.shape`  
Downloading data from <https://storage.googleapis.com/tensorflow/tf-keras-datasets/mnist.npz>  
11490434/11490434 [=====] - 2s 0us/step

Out[5]: ((60000, 28, 28), (10000, 28, 28))

In [7]: `#Test the program import torch`  
`import torch`  
`import torch.nn as nn`

In [8]: `print(torch.__version__)`  
2.1.0+cpu

In [ ]: