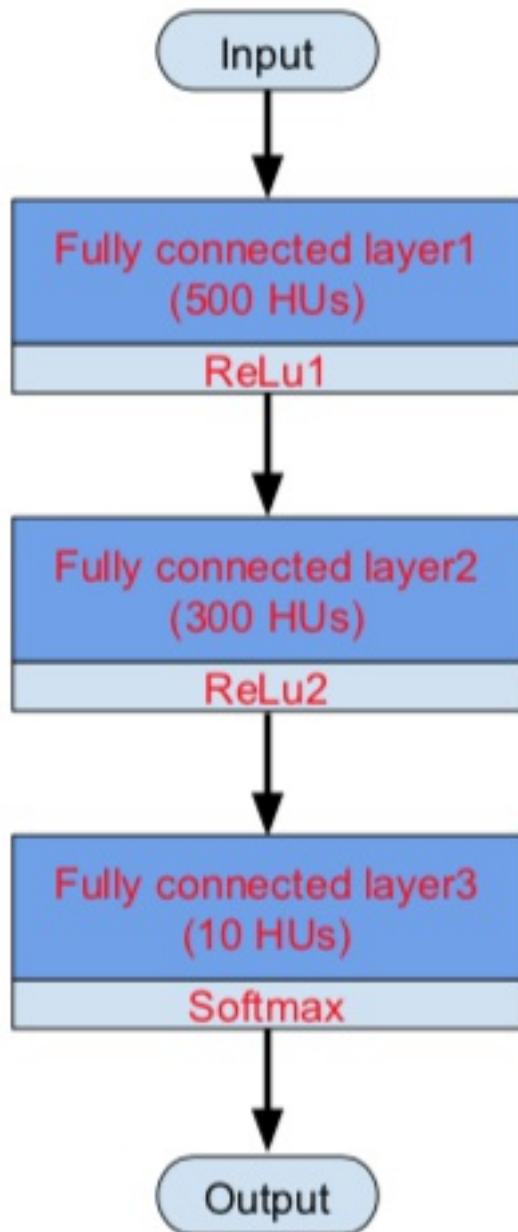# mnistClassifier

Network architecture

Train

To train the network, you can use any of these two commands

```
python main.py
```

```
python main.py train
```

Test

To test the network, the following command should be used

```
python main.py test
```

Inference

To infer images under a directory, the following command should be used

```
python main.py inference ./testSample
```

The last argument is the directory path leading to images, and the result is saved into prediction.txt under current folder.

Result

The train process is demonstrated in the following figure