

Task 1: Perceptron

To run the code, go to Folder “task1” and use

```
> gcc preceptron.c -lm  
> ./a.out
```

Task 2: A Simple Feed-Forward Network

To compile the code, go to Folder “task2” and use

```
> cmake .  
> make
```

Then, run the code by

```
> ./task2
```

Task 3: Digit Recognition

Go to Folder “task3”. File “main.cpp” contains a sample code about how to use functions in “MNIST_reader.h” to read data from MNIST dataset.

First, download the dataset from <http://yann.lecun.com/exdb/mnist/> and extract them.

Second, change the paths to the dataset in “main.cpp”.

Third, compile the code by

```
> cmake .  
> make
```

Last, run the code by

```
> ./task3
```