HOMEWORK 3

Below is the screenshot for training accuracy and time:

```
Epoch 1/10
Epoch 2/10
Epoch 3/10
Epoch 4/10
118/118 [============] - 3s 27ms/step - loss: 0.0815 - accuracy: 0.9768
Epoch 5/10
Epoch 6/10
Epoch 7/10
Epoch 8/10
Epoch 9/10
Epoch 10/10
The training time is 33.95619511604309 seconds
```

Below is the screenshot for testing accuracy:

```
313/313 [============] - 1s 2ms/step - loss: 0.1190 - accuracy: 0.9748
Test Loss: 0.11898624151945114, Test Accuracy: 0.9747999906539917
```

The code for the homework problem is shown below: