```
Training data: (60000, 28, 28)
Training labels: (60000,)
Test data: (10000, 28, 28)
Test labels: (10000,)
```

```
Model: "sequential"
```

Layer (type)	Output Shape	Param #
dense (Dense)	(None, 128)	100,480
dropout (Dropout)	(None, 128)	0
dense_1 (Dense)	(None, 10)	1,290

```
 Total params: 101,770 (397.54 KB)
 Trainable params: 101,770 (397.54 KB)
 Non-trainable params: 0 (0.00 B)
```

```
Epoch 1/10
1500/1500 ──────────────── 10s 5ms/step - accuracy: 0.8447 - loss: 0.5312 - val_accuracy: 0.9534 - val_loss: 0.1577
Epoch 2/10
1500/1500 ──────────────── 7s 5ms/step - accuracy: 0.9512 - loss: 0.1626 - val_accuracy: 0.9663 - val_loss: 0.1146
Epoch 3/10
1500/1500 ──────────────── 7s 4ms/step - accuracy: 0.9644 - loss: 0.1144 - val_accuracy: 0.9717 - val_loss: 0.0968
Epoch 4/10
1500/1500 ──────────────── 6s 4ms/step - accuracy: 0.9735 - loss: 0.0883 - val_accuracy: 0.9718 - val_loss: 0.0951
Epoch 5/10
1500/1500 ──────────────── 6s 4ms/step - accuracy: 0.9758 - loss: 0.0767 - val_accuracy: 0.9754 - val_loss: 0.0839
Epoch 6/10
1500/1500 ──────────────── 6s 4ms/step - accuracy: 0.9781 - loss: 0.0696 - val_accuracy: 0.9752 - val_loss: 0.0822
Epoch 7/10
1500/1500 ──────────────── 7s 5ms/step - accuracy: 0.9828 - loss: 0.0559 - val_accuracy: 0.9767 - val_loss: 0.0803
Epoch 8/10
1500/1500 ──────────────── 7s 5ms/step - accuracy: 0.9836 - loss: 0.0500 - val_accuracy: 0.9759 - val_loss: 0.0819
Epoch 9/10
1500/1500 ──────────────── 7s 4ms/step - accuracy: 0.9842 - loss: 0.0478 - val_accuracy: 0.9756 - val_loss: 0.0835
Epoch 10/10
1500/1500 ──────────────── 6s 4ms/step - accuracy: 0.9865 - loss: 0.0416 - val_accuracy: 0.9772 - val_loss: 0.0826
313/313 ──────────────── 1s 2ms/step - accuracy: 0.9718 - loss: 0.0920
Test accuracy: 0.9771000146865845
313/313 ──────────────── 1s 1ms/step
```

7 (7)	2 (2)	1 (1)	0 (0)	4 (4)
1 (1)	4 (4)	9 (9)	5 (5)	9 (9)
0 (0)	6 (6)	9 (9)	0 (0)	1 (1)
5 (5)	9 (9)	7 (7)	8 (3)	4 (4)
9 (9)	6 (6)	6 (6)	5 (5)	4 (4)