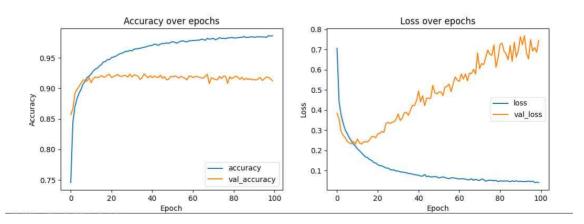
## • summary

ayer (type)	Output		Param #
conv2d (Conv2D)	(None,	28, 28, 32)	
max_pooling2d (MaxPooling2 D)	(None,	14, 14, 32)	0
conv2d_1 (Conv2D)	(None,	14, 14, 64)	18496
max_pooling2d_1 (MaxPoolin g2D)	(None,	7, 7, 64)	0
conv2d_2 (Conv2D)	(None,	7, 7, 64)	36928
max_pooling2d_2 (MaxPoolin g2D)	(None,	3, 3, 64)	0
flatten (Flatten)	(None,	576)	0
dense (Dense)	(None,	64)	36928
dropout (Dropout)	(None,	64)	0
dense_1 (Dense)	(None,	10)	650

Total params: 93322 (364.54 KB)
Trainable params: 93322 (364.54 KB)
Non-trainable params: 0 (0.00 Byte)

## • CNN 모델 훈련 그래프 (Epochs : 100)



## • Epochs 90~100 로그

```
Epoch 90/100
loss: 0.0473 - accuracy: 0.9837 - val loss: 0.7627 - val accuracy: 0.9147
Epoch 91/100
loss: 0.0470 - accuracy: 0.9842 - val loss: 0.7227 - val accuracy: 0.9137
Epoch 92/100
loss: 0.0462 - accuracy: 0.9847 - val_loss: 0.7677 - val_accuracy: 0.9155
Epoch 93/100
loss: 0.0470 - accuracy: 0.9844 - val loss: 0.6824 - val accuracy: 0.9181
Epoch 94/100
loss: 0.0482 - accuracy: 0.9843 - val_loss: 0.6530 - val_accuracy: 0.9131
Epoch 95/100
loss: 0.0464 - accuracy: 0.9843 - val loss: 0.7483 - val accuracy: 0.9155
Epoch 96/100
loss: 0.0483 - accuracy: 0.9837 - val loss: 0.6918 - val accuracy: 0.9189
Epoch 97/100
loss: 0.0414 - accuracy: 0.9862 - val loss: 0.7087 - val accuracy: 0.9178
Epoch 98/100
loss: 0.0430 - accuracy: 0.9859 - val_loss: 0.6863 - val_accuracy: 0.9158
Epoch 99/100
loss: 0.0412 - accuracy: 0.9861 - val_loss: 0.7448 - val_accuracy: 0.9126
```

## • 테스트 데이터 평가

```
313/313 [==========] - 2s 7ms/step - loss: 0.8794 - accuracy: 0.9093 Test loss: 0.8794, Test accuracy: 0.9093
```