LAB Logbook

Week 5

```
Model: "sequential"
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Layer (type)	Output Shape	Param #
conv2d (Conv2D)	(None, 29, 29, 32)	1,568
max_pooling2d (MaxPooling2D)	(None, 14, 14, 32)	0
conv2d_1 (Conv2D)	(None, 11, 11, 64)	32,832
conv2d_2 (Conv2D)	(None, 8, 8, 128)	131,200
conv2d_3 (Conv2D)	(None, 5, 5, 256)	524,544
conv2d_4 (Conv2D)	(None, 2, 2, 512)	2,097,664
max_pooling2d_1 (MaxPooling2D)	(None, 1, 1, 512)	0
flatten (Flatten)	(None, 512)	0
dense (Dense)	(None, 256)	131,328
dense_1 (Dense)	(None, 150)	38,550
dense_2 (Dense)	(None, 75)	11,325
dense_3 (Dense)	(None, 10)	760

```
Total params: 2,969,771 (11.33 MB)
Trainable params: 2,969,771 (11.33 MB)
```

train loss vs Validation Loss
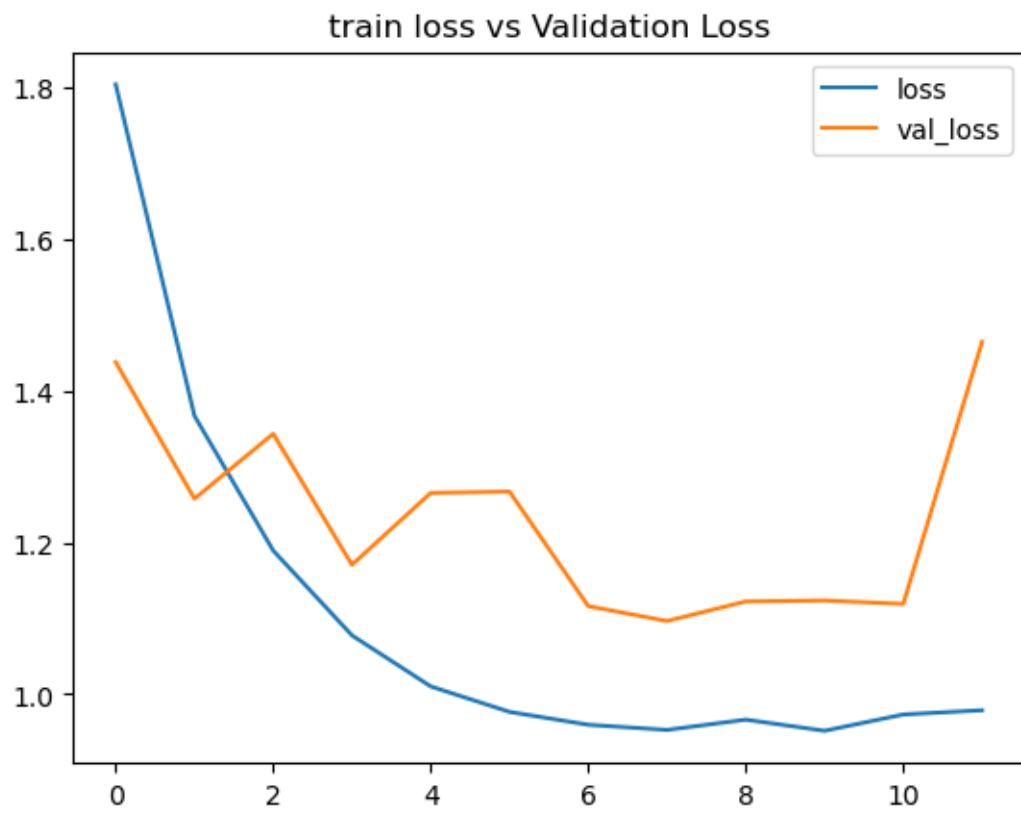
Optimal number of epochs -8