```
Epoch 1/50
loss: 0.6657 - val_acc: 0.5164
Epoch 2/50
oss: 0.6244 - val_acc: 0.7727
Epoch 3/50
oss: 0.6008 - val_acc: 0.6945
Epoch 4/50
35/35 [============== ] - 8s 226ms/step - loss: 0.6155 - acc: 0.6857 - val_1
oss: 0.5978 - val_acc: 0.7000
Epoch 5/50
oss: 0.5477 - val_acc: 0.8036
Epoch 6/50
oss: 0.5313 - val_acc: 0.7491
Epoch 7/50
35/35 [============== ] - 8s 229ms/step - loss: 0.5664 - acc: 0.7334 - val_l
oss: 0.5283 - val_acc: 0.7709
Epoch 8/50
35/35 [============== ] - 8s 231ms/step - loss: 0.5528 - acc: 0.7452 - val_1
oss: 0.5540 - val_acc: 0.7091
Epoch 9/50
oss: 0.5390 - val_acc: 0.7109
Epoch 10/50
35/35 [============== ] - 8s 240ms/step - loss: 0.5290 - acc: 0.7566 - val_1
oss: 0.4671 - val_acc: 0.8236
Epoch 11/50
oss: 0.4508 - val_acc: 0.8364
Epoch 12/50
35/35 [============== ] - 8s 238ms/step - loss: 0.5097 - acc: 0.7725 - val_1
oss: 0.4594 - val_acc: 0.7891
Epoch 13/50
oss: 0.4318 - val_acc: 0.8364
Epoch 14/50
oss: 0.4213 - val_acc: 0.8436
Epoch 15/50
oss: 0.4110 - val_acc: 0.8436
Epoch 16/50
35/35 [============= ] - 8s 230ms/step - loss: 0.5030 - acc: 0.7593 - val 1
oss: 0.4709 - val acc: 0.7655
Epoch 17/50
oss: 0.4052 - val_acc: 0.8545
Epoch 18/50
oss: 0.4375 - val acc: 0.8000
Epoch 19/50
oss: 0.4405 - val_acc: 0.7891
Epoch 20/50
oss: 0.4280 - val_acc: 0.8000
Epoch 21/50
```

```
oss: 0.4141 - val_acc: 0.8036
Epoch 22/50
35/35 [============== ] - 8s 238ms/step - loss: 0.4502 - acc: 0.8061 - val l
oss: 0.3913 - val_acc: 0.8382
Epoch 23/50
oss: 0.3922 - val_acc: 0.8509
Epoch 24/50
oss: 0.3759 - val_acc: 0.8564
Epoch 25/50
oss: 0.3695 - val_acc: 0.8564
Epoch 26/50
oss: 0.4746 - val_acc: 0.7636
Epoch 27/50
oss: 0.3646 - val_acc: 0.8509
Epoch 28/50
35/35 [============== ] - 8s 221ms/step - loss: 0.4307 - acc: 0.8197 - val_1
oss: 0.3624 - val_acc: 0.8545
Epoch 29/50
oss: 0.3672 - val_acc: 0.8509
Epoch 30/50
35/35 [============== ] - 8s 222ms/step - loss: 0.4193 - acc: 0.8215 - val_1
oss: 0.3555 - val_acc: 0.8545
Epoch 31/50
oss: 0.3571 - val_acc: 0.8600
Epoch 32/50
oss: 0.3619 - val_acc: 0.8582
Epoch 33/50
oss: 0.3478 - val_acc: 0.8564
Epoch 34/50
oss: 0.3627 - val_acc: 0.8582
Epoch 35/50
oss: 0.3801 - val_acc: 0.8273
Epoch 36/50
oss: 0.3577 - val acc: 0.8473
Epoch 37/50
oss: 0.3458 - val_acc: 0.8673
Epoch 38/50
35/35 [============== ] - 8s 225ms/step - loss: 0.3989 - acc: 0.8338 - val 1
oss: 0.3560 - val_acc: 0.8418
Epoch 39/50
oss: 0.3753 - val_acc: 0.8364
Epoch 40/50
35/35 [============== ] - 8s 229ms/step - loss: 0.4267 - acc: 0.8161 - val l
oss: 0.3502 - val_acc: 0.8618
Epoch 41/50
```

```
oss: 0.3360 - val_acc: 0.8673
Epoch 42/50
35/35 [============= ] - 8s 226ms/step - loss: 0.3817 - acc: 0.8365 - val l
oss: 0.3357 - val_acc: 0.8691
Epoch 43/50
35/35 [============== ] - 8s 221ms/step - loss: 0.3973 - acc: 0.8329 - val_1
oss: 0.3964 - val_acc: 0.8145
Epoch 44/50
35/35 [============== ] - 8s 228ms/step - loss: 0.3869 - acc: 0.8401 - val l
oss: 0.3249 - val_acc: 0.8727
Epoch 45/50
35/35 [============== ] - 8s 223ms/step - loss: 0.3891 - acc: 0.8392 - val_l
oss: 0.3246 - val_acc: 0.8745
Epoch 46/50
35/35 [============== ] - 8s 221ms/step - loss: 0.3906 - acc: 0.8342 - val_1
oss: 0.3266 - val acc: 0.8582
Epoch 47/50
oss: 0.3341 - val_acc: 0.8600
Epoch 48/50
35/35 [============= ] - 8s 221ms/step - loss: 0.4032 - acc: 0.8229 - val 1
oss: 0.3234 - val_acc: 0.8600
Epoch 49/50
35/35 [============== ] - 8s 226ms/step - loss: 0.3921 - acc: 0.8351 - val_l
oss: 0.3379 - val_acc: 0.8636
Epoch 50/50
35/35 [============= ] - 8s 233ms/step - loss: 0.3848 - acc: 0.8401 - val 1
oss: 0.3545 - val_acc: 0.8473
```