```
Epoch 1/50
loss: 0.5865 - val_acc: 0.7564
Epoch 2/50
oss: 0.5434 - val acc: 0.7945
Epoch 3/50
35/35 [================== ] - 10s 271ms/step - loss: 0.5622 - acc: 0.7021 - val_
loss: 0.5102 - val_acc: 0.7745
Epoch 4/50
oss: 0.4798 - val_acc: 0.8091
Epoch 5/50
loss: 0.4580 - val_acc: 0.8273
Epoch 6/50
35/35 [================== ] - 10s 272ms/step - loss: 0.4961 - acc: 0.7534 - val_
loss: 0.4435 - val_acc: 0.8345
Epoch 7/50
oss: 0.4398 - val_acc: 0.8309
Epoch 8/50
oss: 0.4447 - val_acc: 0.8164
Epoch 9/50
oss: 0.4190 - val_acc: 0.8309
Epoch 10/50
oss: 0.3985 - val_acc: 0.8418
Epoch 11/50
oss: 0.3830 - val_acc: 0.8436
Epoch 12/50
oss: 0.3767 - val_acc: 0.8509
Epoch 13/50
oss: 0.3864 - val acc: 0.8436
Epoch 14/50
oss: 0.3659 - val_acc: 0.8545
Epoch 15/50
oss: 0.3613 - val_acc: 0.8527
Epoch 16/50
oss: 0.3549 - val acc: 0.8600
Epoch 17/50
s: 0.3696 - val_acc: 0.8436
Epoch 18/50
loss: 0.3609 - val_acc: 0.8509
Epoch 19/50
loss: 0.3519 - val_acc: 0.8509
Epoch 20/50
oss: 0.3471 - val_acc: 0.8709
Epoch 21/50
```

```
s: 0.3545 - val_acc: 0.8491
Epoch 22/50
35/35 [============== ] - 8s 233ms/step - loss: 0.3703 - acc: 0.8597 - val 1
oss: 0.3336 - val_acc: 0.8618
Epoch 23/50
loss: 0.3784 - val_acc: 0.8236
Epoch 24/50
35/35 [=============== ] - 15s 433ms/step - loss: 0.3673 - acc: 0.8592 - val_
loss: 0.3373 - val_acc: 0.8636
Epoch 25/50
oss: 0.3421 - val_acc: 0.8600
Epoch 26/50
oss: 0.3287 - val_acc: 0.8673
Epoch 27/50
35/35 [================== ] - 34s 994ms/step - loss: 0.3566 - acc: 0.8633 - val_
loss: 0.3283 - val_acc: 0.8745
Epoch 28/50
35/35 [============== ] - 87s 2s/step - loss: 0.3518 - acc: 0.8669 - val_los
s: 0.3231 - val_acc: 0.8691
Epoch 29/50
oss: 0.3962 - val_acc: 0.8164
Epoch 30/50
35/35 [================= ] - 10s 295ms/step - loss: 0.3681 - acc: 0.8624 - val_
loss: 0.3205 - val_acc: 0.8727
Epoch 31/50
35/35 [================== ] - 10s 300ms/step - loss: 0.3592 - acc: 0.8633 - val_
loss: 0.3218 - val_acc: 0.8709
Epoch 32/50
oss: 0.3209 - val_acc: 0.8782
Epoch 33/50
loss: 0.3351 - val_acc: 0.8564
Epoch 34/50
loss: 0.3259 - val_acc: 0.8727
Epoch 35/50
loss: 0.3133 - val_acc: 0.8818
Epoch 36/50
loss: 0.3201 - val_acc: 0.8764
Epoch 37/50
loss: 0.3259 - val_acc: 0.8709
Epoch 38/50
loss: 0.3148 - val_acc: 0.8727
Epoch 39/50
loss: 0.3085 - val_acc: 0.8727
Epoch 40/50
s: 0.3501 - val_acc: 0.8436
Epoch 41/50
```

loss: 0.3143 - val\_acc: 0.8709

Epoch 42/50

s: 0.3399 - val\_acc: 0.8473