Epoch 1/50

39/39 [==============================] - 133s 3s/step - loss: 0.9606 - acc: 0.5330

Epoch 2/50

39/39 [==============================] - 125s 3s/step - loss: 0.8598 - acc: 0.5970

Epoch 3/50

39/39 [==============================] - 118s 3s/step - loss: 0.7654 - acc: 0.6607

Epoch 4/50

39/39 [==============================] - 117s 3s/step - loss: 0.7213 - acc: 0.6860

Epoch 5/50

39/39 [==============================] - 118s 3s/step - loss: 0.6907 - acc: 0.6958

Epoch 6/50

39/39 [==============================] - 118s 3s/step - loss: 0.6623 - acc: 0.7141

Epoch 7/50

39/39 [==============================] - 118s 3s/step - loss: 0.6291 - acc: 0.7303

Epoch 8/50

39/39 [==============================] - 118s 3s/step - loss: 0.6092 - acc: 0.7415

Epoch 9/50

39/39 [==============================] - 118s 3s/step - loss: 0.5654 - acc: 0.7618

Epoch 10/50

39/39 [==============================] - 118s 3s/step - loss: 0.5344 - acc: 0.7761

Epoch 11/50

39/39 [==============================] - 117s 3s/step - loss: 0.5108 - acc: 0.7882

Epoch 12/50

39/39 [==============================] - 117s 3s/step - loss: 0.4865 - acc: 0.7986

Epoch 13/50

39/39 [==============================] - 118s 3s/step - loss: 0.4568 - acc: 0.8141

Epoch 14/50

39/39 [==============================] - 118s 3s/step - loss: 0.4163 - acc: 0.8339

Epoch 15/50

39/39 [==============================] - 118s 3s/step - loss: 0.3862 - acc: 0.8462

Epoch 16/50

39/39 [==============================] - 118s 3s/step - loss: 0.3488 - acc: 0.8594

Epoch 17/50

39/39 [==============================] - 117s 3s/step - loss: 0.3309 - acc: 0.8697

Epoch 18/50

39/39 [==============================] - 117s 3s/step - loss: 0.3057 - acc: 0.8781

Epoch 19/50

39/39 [==============================] - 118s 3s/step - loss: 0.2729 - acc: 0.8906

Epoch 20/50

39/39 [==============================] - 117s 3s/step - loss: 0.2505 - acc: 0.9028

Epoch 21/50

39/39 [==============================] - 119s 3s/step - loss: 0.2315 - acc: 0.9094

Epoch 22/50

39/39 [==============================] - 119s 3s/step - loss: 0.2190 - acc: 0.9175

Epoch 23/50

39/39 [==============================] - 118s 3s/step - loss: 0.1950 - acc: 0.9251

Epoch 24/50

39/39 [==============================] - 118s 3s/step - loss: 0.1784 - acc: 0.9310

Epoch 25/50

39/39 [==============================] - 118s 3s/step - loss: 0.1546 - acc: 0.9413

Epoch 26/50

39/39 [==============================] - 118s 3s/step - loss: 0.1521 - acc: 0.9437

Epoch 27/50

39/39 [==============================] - 117s 3s/step - loss: 0.1424 - acc: 0.9479

Epoch 28/50

39/39 [==============================] - 118s 3s/step - loss: 0.1365 - acc: 0.9491

Epoch 29/50

39/39 [==============================] - 118s 3s/step - loss: 0.1231 - acc: 0.9553

Epoch 30/50

39/39 [==============================] - 118s 3s/step - loss: 0.1160 - acc: 0.9573

Epoch 31/50

39/39 [==============================] - 118s 3s/step - loss: 0.1175 - acc: 0.9576

Epoch 32/50

39/39 [==============================] - 118s 3s/step - loss: 0.0991 - acc: 0.9639

Epoch 33/50

39/39 [==============================] - 121s 3s/step - loss: 0.0923 - acc: 0.9668

Epoch 34/50

39/39 [==============================] - 118s 3s/step - loss: 0.1031 - acc: 0.9627

Epoch 35/50

39/39 [==============================] - 118s 3s/step - loss: 0.0956 - acc: 0.9654

Epoch 36/50

39/39 [==============================] - 118s 3s/step - loss: 0.0878 - acc: 0.9682

Epoch 37/50

39/39 [==============================] - 118s 3s/step - loss: 0.0737 - acc: 0.9745

Epoch 38/50

39/39 [==============================] - 119s 3s/step - loss: 0.0738 - acc: 0.9744

Epoch 39/50

39/39 [==============================] - 118s 3s/step - loss: 0.0684 - acc: 0.9753

Epoch 40/50

39/39 [==============================] - 118s 3s/step - loss: 0.0636 - acc: 0.9770

Epoch 41/50

39/39 [==============================] - 119s 3s/step - loss: 0.0709 - acc: 0.9747

Epoch 42/50

39/39 [==============================] - 118s 3s/step - loss: 0.0618 - acc: 0.9775

Epoch 43/50

39/39 [==============================] - 118s 3s/step - loss: 0.0607 - acc: 0.9776

Epoch 44/50

39/39 [==============================] - 118s 3s/step - loss: 0.0577 - acc: 0.9797

Epoch 45/50

39/39 [==============================] - 118s 3s/step - loss: 0.0592 - acc: 0.9790

Epoch 46/50

39/39 [==============================] - 119s 3s/step - loss: 0.0545 - acc: 0.9809

Epoch 47/50

39/39 [==============================] - 118s 3s/step - loss: 0.0533 - acc: 0.9808

Epoch 48/50

39/39 [==============================] - 118s 3s/step - loss: 0.0506 - acc: 0.9828

Epoch 49/50

39/39 [==============================] - 118s 3s/step - loss: 0.0553 - acc: 0.9816

Epoch 50/50

39/39 [==============================] - 118s 3s/step - loss: 0.0483 - acc: 0.9836