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550378/550378 [=====] - 0s 0us/step

Epoch 1/20

16/16 [=====] - 1s 26ms/step - loss: 2.6045 - accuracy: 0.5129 - val\_loss: 1.7577 - val\_accu

racy: 0.6350

Epoch 2/20

16/16 [=====] - 0s 15ms/step - loss: 1.4221 - accuracy: 0.7033 - val\_loss: 1.3422 - val\_accu

racy: 0.6980

Epoch 3/20

16/16 [=====] - 0s 15ms/step - loss: 1.0590 - accuracy: 0.7725 - val\_loss: 1.1708 - val\_accu

racy: 0.7410

Epoch 4/20

16/16 [=====] - 0s 15ms/step - loss: 0.8388 - accuracy: 0.8197 - val\_loss: 1.0642 - val\_accu

racy: 0.7720

Epoch 5/20

16/16 [=====] - 0s 15ms/step - loss: 0.6673 - accuracy: 0.8594 - val\_loss: 1.0075 - val\_accu

racy: 0.7970

Epoch 6/20

16/16 [=====] - 0s 16ms/step - loss: 0.5334 - accuracy: 0.8886 - val\_loss: 0.9925 - val\_accu

racy: 0.7980

Epoch 7/20

16/16 [=====] - 0s 16ms/step - loss: 0.4282 - accuracy: 0.9153 - val\_loss: 0.9299 - val\_accu

racy: 0.8160

Epoch 8/20

16/16 [=====] - 0s 16ms/step - loss: 0.3439 - accuracy: 0.9298 - val\_loss: 0.9168 - val\_accu

racy: 0.8220

Epoch 9/20

16/16 [=====] - 0s 16ms/step - loss: 0.2844 - accuracy: 0.9399 - val\_loss: 0.9258 - val\_accu

racy: 0.8270

Epoch 10/20

16/16 [=====] - 0s 16ms/step - loss: 0.2401 - accuracy: 0.9453 - val\_loss: 0.9217 - val\_accu

racy: 0.8200

Epoch 11/20

16/16 [=====] - 0s 16ms/step - loss: 0.2090 - accuracy: 0.9504 - val\_loss: 0.9653 - val\_accu

racy: 0.8110

Epoch 12/20

16/16 [=====] - 0s 15ms/step - loss: 0.1791 - accuracy: 0.9519 - val\_loss: 0.9857 - val\_accu

racy: 0.8140

Epoch 13/20

16/16 [=====] - 0s 16ms/step - loss: 0.1647 - accuracy: 0.9539 - val\_loss: 0.9788 - val\_accu

racy: 0.8120

Epoch 14/20

16/16 [=====] - 0s 16ms/step - loss: 0.1480 - accuracy: 0.9546 - val\_loss: 0.9998 - val\_accu

racy: 0.8070

Epoch 15/20

16/16 [=====] - 0s 16ms/step - loss: 0.1421 - accuracy: 0.9549 - val\_loss: 1.0039 - val\_accu

racy: 0.8180

Epoch 16/20

16/16 [=====] - 0s 15ms/step - loss: 0.1306 - accuracy: 0.9583 - val\_loss: 1.0341 - val\_accu

racy: 0.8120

Epoch 17/20

16/16 [=====] - 0s 17ms/step - loss: 0.1236 - accuracy: 0.9560 - val\_loss: 1.0738 - val\_accu

racy: 0.8110

Epoch 18/20

16/16 [=====] - 0s 18ms/step - loss: 0.1218 - accuracy: 0.9583 - val\_loss: 1.0783 - val\_accu

racy: 0.8100

Epoch 19/20

16/16 [=====] - 0s 17ms/step - loss: 0.1166 - accuracy: 0.9565 - val\_loss: 1.1195 - val\_accu

racy: 0.8090

Epoch 20/20

16/16 [=====] - 0s 17ms/step - loss: 0.1113 - accuracy: 0.9583 - val\_loss: 1.1277 - val\_accu

racy: 0.8060

