Training Print

| Epoch 1/2000  62/62 [==============================] - 341s 5s/step - loss: 1.5836 - categorical\_accuracy: 0.2490 - val\_loss: 1.5220 - val\_categorical\_accuracy: 0.3438 - lr: 1.0000e-05  Epoch 2/2000  62/62 [==============================] - 6s 92ms/step - loss: 1.5344 - categorical\_accuracy: 0.3095 - val\_loss: 1.4940 - val\_categorical\_accuracy: 0.3646 - lr: 1.0000e-05  Epoch 3/2000  62/62 [==============================] - 6s 90ms/step - loss: 1.5063 - categorical\_accuracy: 0.3558 - val\_loss: 1.4717 - val\_categorical\_accuracy: 0.3958 - lr: 1.0000e-05  Epoch 4/2000  62/62 [==============================] - 6s 93ms/step - loss: 1.4713 - categorical\_accuracy: 0.3841 - val\_loss: 1.4555 - val\_categorical\_accuracy: 0.4271 - lr: 1.0000e-05  Epoch 5/2000  62/62 [==============================] - 6s 93ms/step - loss: 1.4616 - categorical\_accuracy: 0.3639 - val\_loss: 1.4355 - val\_categorical\_accuracy: 0.4375 - lr: 1.0000e-05  Epoch 6/2000  62/62 [==============================] - 6s 93ms/step - loss: 1.4352 - categorical\_accuracy: 0.3831 - val\_loss: 1.4194 - val\_categorical\_accuracy: 0.4271 - lr: 1.0000e-05  Epoch 7/2000  62/62 [==============================] - 6s 91ms/step - loss: 1.4060 - categorical\_accuracy: 0.4173 - val\_loss: 1.4012 - val\_categorical\_accuracy: 0.4271 - lr: 1.0000e-05  Epoch 8/2000  62/62 [==============================] - 6s 94ms/step - loss: 1.3786 - categorical\_accuracy: 0.4325 - val\_loss: 1.3810 - val\_categorical\_accuracy: 0.4583 - lr: 1.0000e-05  Epoch 9/2000  62/62 [==============================] - 6s 93ms/step - loss: 1.3652 - categorical\_accuracy: 0.4526 - val\_loss: 1.3548 - val\_categorical\_accuracy: 0.4583 - lr: 1.0000e-05  Epoch 10/2000  62/62 [==============================] - 6s 93ms/step - loss: 1.3278 - categorical\_accuracy: 0.4768 - val\_loss: 1.3257 - val\_categorical\_accuracy: 0.4896 - lr: 1.0000e-05  Epoch 11/2000  62/62 [==============================] - 6s 94ms/step - loss: 1.2956 - categorical\_accuracy: 0.4808 - val\_loss: 1.2903 - val\_categorical\_accuracy: 0.5104 - lr: 1.0000e-05  Epoch 12/2000  62/62 [==============================] - 6s 93ms/step - loss: 1.2663 - categorical\_accuracy: 0.5101 - val\_loss: 1.2466 - val\_categorical\_accuracy: 0.5625 - lr: 1.0000e-05  Epoch 13/2000  62/62 [==============================] - 6s 93ms/step - loss: 1.2308 - categorical\_accuracy: 0.5363 - val\_loss: 1.2002 - val\_categorical\_accuracy: 0.5833 - lr: 1.0000e-05  Epoch 14/2000  62/62 [==============================] - 6s 93ms/step - loss: 1.1868 - categorical\_accuracy: 0.5575 - val\_loss: 1.1522 - val\_categorical\_accuracy: 0.5833 - lr: 1.0000e-05  Epoch 15/2000  62/62 [==============================] - 6s 91ms/step - loss: 1.1389 - categorical\_accuracy: 0.5827 - val\_loss: 1.1017 - val\_categorical\_accuracy: 0.6146 - lr: 1.0000e-05  Epoch 16/2000  62/62 [==============================] - 6s 93ms/step - loss: 1.0935 - categorical\_accuracy: 0.5847 - val\_loss: 1.0613 - val\_categorical\_accuracy: 0.6354 - lr: 1.0000e-05  Epoch 17/2000  62/62 [==============================] - 6s 92ms/step - loss: 1.0409 - categorical\_accuracy: 0.6371 - val\_loss: 1.0238 - val\_categorical\_accuracy: 0.6458 - lr: 1.0000e-05  Epoch 18/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.9921 - categorical\_accuracy: 0.6391 - val\_loss: 0.9937 - val\_categorical\_accuracy: 0.6562 - lr: 1.0000e-05  Epoch 19/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.9530 - categorical\_accuracy: 0.6411 - val\_loss: 0.9752 - val\_categorical\_accuracy: 0.6458 - lr: 1.0000e-05  Epoch 20/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.9073 - categorical\_accuracy: 0.6653 - val\_loss: 0.9561 - val\_categorical\_accuracy: 0.6771 - lr: 1.0000e-05  Epoch 21/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.8230 - categorical\_accuracy: 0.7157 - val\_loss: 0.9372 - val\_categorical\_accuracy: 0.6875 - lr: 1.0000e-05  Epoch 22/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.7962 - categorical\_accuracy: 0.7278 - val\_loss: 0.9352 - val\_categorical\_accuracy: 0.6875 - lr: 1.0000e-05  Epoch 23/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.7600 - categorical\_accuracy: 0.7460 - val\_loss: 0.8720 - val\_categorical\_accuracy: 0.6771 - lr: 1.0000e-05  Epoch 24/2000  62/62 [==============================] - 6s 95ms/step - loss: 0.7014 - categorical\_accuracy: 0.7571 - val\_loss: 0.8905 - val\_categorical\_accuracy: 0.6667 - lr: 1.0000e-05  Epoch 25/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.6517 - categorical\_accuracy: 0.7772 - val\_loss: 0.8570 - val\_categorical\_accuracy: 0.6667 - lr: 1.0000e-05  Epoch 26/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.6170 - categorical\_accuracy: 0.7944 - val\_loss: 0.8322 - val\_categorical\_accuracy: 0.6979 - lr: 1.0000e-05  Epoch 27/2000  62/62 [==============================] - 6s 95ms/step - loss: 0.5939 - categorical\_accuracy: 0.8024 - val\_loss: 0.8377 - val\_categorical\_accuracy: 0.6667 - lr: 1.0000e-05  Epoch 28/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.5285 - categorical\_accuracy: 0.8216 - val\_loss: 0.8595 - val\_categorical\_accuracy: 0.6875 - lr: 1.0000e-05  Epoch 29/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.5227 - categorical\_accuracy: 0.8185 - val\_loss: 0.7861 - val\_categorical\_accuracy: 0.6875 - lr: 1.0000e-05  Epoch 30/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.4677 - categorical\_accuracy: 0.8427 - val\_loss: 0.7342 - val\_categorical\_accuracy: 0.7083 - lr: 1.0000e-05  Epoch 31/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.4412 - categorical\_accuracy: 0.8619 - val\_loss: 0.7457 - val\_categorical\_accuracy: 0.7083 - lr: 1.0000e-05  Epoch 32/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.4370 - categorical\_accuracy: 0.8609 - val\_loss: 0.7304 - val\_categorical\_accuracy: 0.7292 - lr: 1.0000e-05  Epoch 33/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.3729 - categorical\_accuracy: 0.8740 - val\_loss: 0.7277 - val\_categorical\_accuracy: 0.6979 - lr: 1.0000e-05  Epoch 34/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.3597 - categorical\_accuracy: 0.8780 - val\_loss: 0.8095 - val\_categorical\_accuracy: 0.6979 - lr: 1.0000e-05  Epoch 35/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.3518 - categorical\_accuracy: 0.8851 - val\_loss: 0.6820 - val\_categorical\_accuracy: 0.7500 - lr: 1.0000e-05  Epoch 36/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.3095 - categorical\_accuracy: 0.8972 - val\_loss: 0.7541 - val\_categorical\_accuracy: 0.7188 - lr: 1.0000e-05  Epoch 37/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.3011 - categorical\_accuracy: 0.8982 - val\_loss: 0.7499 - val\_categorical\_accuracy: 0.7188 - lr: 1.0000e-05  Epoch 38/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.2851 - categorical\_accuracy: 0.9204 - val\_loss: 0.7909 - val\_categorical\_accuracy: 0.7292 - lr: 1.0000e-05  Epoch 39/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.2732 - categorical\_accuracy: 0.9173 - val\_loss: 0.7133 - val\_categorical\_accuracy: 0.7500 - lr: 1.0000e-05  Epoch 40/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.2580 - categorical\_accuracy: 0.9052 - val\_loss: 0.6886 - val\_categorical\_accuracy: 0.8021 - lr: 1.0000e-05  Epoch 41/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.2385 - categorical\_accuracy: 0.9224 - val\_loss: 0.7126 - val\_categorical\_accuracy: 0.8021 - lr: 1.0000e-05  Epoch 42/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1994 - categorical\_accuracy: 0.9415 - val\_loss: 0.7297 - val\_categorical\_accuracy: 0.7604 - lr: 1.0000e-05  Epoch 43/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.2083 - categorical\_accuracy: 0.9294 - val\_loss: 0.7780 - val\_categorical\_accuracy: 0.7396 - lr: 1.0000e-05  Epoch 44/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1888 - categorical\_accuracy: 0.9496 - val\_loss: 0.6911 - val\_categorical\_accuracy: 0.8229 - lr: 1.0000e-05  Epoch 45/2000  62/62 [==============================] - ETA: 0s - loss: 0.1813 - categorical\_accuracy: 0.9395  Epoch 00045: ReduceLROnPlateau reducing learning rate to 9.999999747378752e-07.  62/62 [==============================] - 6s 91ms/step - loss: 0.1813 - categorical\_accuracy: 0.9395 - val\_loss: 0.7492 - val\_categorical\_accuracy: 0.8333 - lr: 1.0000e-05  Epoch 46/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1904 - categorical\_accuracy: 0.9466 - val\_loss: 0.6844 - val\_categorical\_accuracy: 0.8229 - lr: 1.0000e-06  Epoch 47/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1686 - categorical\_accuracy: 0.9435 - val\_loss: 0.6774 - val\_categorical\_accuracy: 0.8333 - lr: 1.0000e-06  Epoch 48/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1453 - categorical\_accuracy: 0.9597 - val\_loss: 0.6888 - val\_categorical\_accuracy: 0.8438 - lr: 1.0000e-06  Epoch 49/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1569 - categorical\_accuracy: 0.9546 - val\_loss: 0.6785 - val\_categorical\_accuracy: 0.8438 - lr: 1.0000e-06  Epoch 50/2000  61/62 [============================>.] - ETA: 0s - loss: 0.1554 - categorical\_accuracy: 0.9529INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0050.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTM object at 0x7f0603c3d350> has the same name 'LSTM' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTM'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7f05f0549390> has the same name 'LSTMCell' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTMCell'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  62/62 [==============================] - 9s 153ms/step - loss: 0.1551 - categorical\_accuracy: 0.9526 - val\_loss: 0.6790 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-06  Epoch 51/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1543 - categorical\_accuracy: 0.9536 - val\_loss: 0.6782 - val\_categorical\_accuracy: 0.8438 - lr: 1.0000e-06  Epoch 52/2000  62/62 [==============================] - 6s 95ms/step - loss: 0.1465 - categorical\_accuracy: 0.9587 - val\_loss: 0.6737 - val\_categorical\_accuracy: 0.8438 - lr: 1.0000e-06  Epoch 53/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1575 - categorical\_accuracy: 0.9556 - val\_loss: 0.6810 - val\_categorical\_accuracy: 0.8438 - lr: 1.0000e-06  Epoch 54/2000  62/62 [==============================] - 6s 95ms/step - loss: 0.1304 - categorical\_accuracy: 0.9688 - val\_loss: 0.6890 - val\_categorical\_accuracy: 0.8438 - lr: 1.0000e-06  Epoch 55/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1363 - categorical\_accuracy: 0.9667 - val\_loss: 0.6799 - val\_categorical\_accuracy: 0.8438 - lr: 1.0000e-06  Epoch 56/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1450 - categorical\_accuracy: 0.9617 - val\_loss: 0.6875 - val\_categorical\_accuracy: 0.8438 - lr: 1.0000e-06  Epoch 57/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1478 - categorical\_accuracy: 0.9546 - val\_loss: 0.7141 - val\_categorical\_accuracy: 0.8438 - lr: 1.0000e-06  Epoch 58/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1417 - categorical\_accuracy: 0.9587 - val\_loss: 0.7014 - val\_categorical\_accuracy: 0.8438 - lr: 1.0000e-06  Epoch 59/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1539 - categorical\_accuracy: 0.9516 - val\_loss: 0.6940 - val\_categorical\_accuracy: 0.8438 - lr: 1.0000e-06  Epoch 60/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1525 - categorical\_accuracy: 0.9556 - val\_loss: 0.6897 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-06  Epoch 61/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1411 - categorical\_accuracy: 0.9617 - val\_loss: 0.6879 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-06  Epoch 62/2000  62/62 [==============================] - ETA: 0s - loss: 0.1510 - categorical\_accuracy: 0.9597  Epoch 00062: ReduceLROnPlateau reducing learning rate to 9.999999974752428e-08.  62/62 [==============================] - 6s 94ms/step - loss: 0.1510 - categorical\_accuracy: 0.9597 - val\_loss: 0.6823 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-06  Epoch 63/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1549 - categorical\_accuracy: 0.9617 - val\_loss: 0.6811 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-07  Epoch 64/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1378 - categorical\_accuracy: 0.9617 - val\_loss: 0.6808 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-07  Epoch 65/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1355 - categorical\_accuracy: 0.9647 - val\_loss: 0.6803 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-07  Epoch 66/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1459 - categorical\_accuracy: 0.9627 - val\_loss: 0.6817 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-07  Epoch 67/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1269 - categorical\_accuracy: 0.9688 - val\_loss: 0.6816 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-07  Epoch 68/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1328 - categorical\_accuracy: 0.9637 - val\_loss: 0.6809 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-07  Epoch 69/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1416 - categorical\_accuracy: 0.9577 - val\_loss: 0.6829 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-07  Epoch 70/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1430 - categorical\_accuracy: 0.9567 - val\_loss: 0.6828 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-07  Epoch 71/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1313 - categorical\_accuracy: 0.9627 - val\_loss: 0.6813 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-07  Epoch 72/2000  62/62 [==============================] - ETA: 0s - loss: 0.1291 - categorical\_accuracy: 0.9698  Epoch 00072: ReduceLROnPlateau reducing learning rate to 1.0000000116860975e-08.  62/62 [==============================] - 6s 91ms/step - loss: 0.1291 - categorical\_accuracy: 0.9698 - val\_loss: 0.6820 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-07  Epoch 73/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1450 - categorical\_accuracy: 0.9567 - val\_loss: 0.6819 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-08  Epoch 74/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1254 - categorical\_accuracy: 0.9677 - val\_loss: 0.6818 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-08  Epoch 75/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1414 - categorical\_accuracy: 0.9657 - val\_loss: 0.6820 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-08  Epoch 76/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1511 - categorical\_accuracy: 0.9526 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-08  Epoch 77/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1538 - categorical\_accuracy: 0.9546 - val\_loss: 0.6821 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-08  Epoch 78/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1401 - categorical\_accuracy: 0.9556 - val\_loss: 0.6821 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-08  Epoch 79/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1233 - categorical\_accuracy: 0.9677 - val\_loss: 0.6821 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-08  Epoch 80/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1390 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-08  Epoch 81/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1440 - categorical\_accuracy: 0.9607 - val\_loss: 0.6823 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-08  Epoch 82/2000  62/62 [==============================] - ETA: 0s - loss: 0.1401 - categorical\_accuracy: 0.9617  Epoch 00082: ReduceLROnPlateau reducing learning rate to 9.999999939225292e-10.  62/62 [==============================] - 6s 93ms/step - loss: 0.1401 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-08  Epoch 83/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1234 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-09  Epoch 84/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1390 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-09  Epoch 85/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1410 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-09  Epoch 86/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1394 - categorical\_accuracy: 0.9587 - val\_loss: 0.6823 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-09  Epoch 87/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1333 - categorical\_accuracy: 0.9667 - val\_loss: 0.6823 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-09  Epoch 88/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1392 - categorical\_accuracy: 0.9577 - val\_loss: 0.6823 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-09  Epoch 89/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1383 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-09  Epoch 90/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1439 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-09  Epoch 91/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1377 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-09  Epoch 92/2000  62/62 [==============================] - ETA: 0s - loss: 0.1361 - categorical\_accuracy: 0.9637  Epoch 00092: ReduceLROnPlateau reducing learning rate to 9.999999717180686e-11.  62/62 [==============================] - 6s 93ms/step - loss: 0.1361 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-09  Epoch 93/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1352 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-10  Epoch 94/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1477 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-10  Epoch 95/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1435 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-10  Epoch 96/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1407 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-10  Epoch 97/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1484 - categorical\_accuracy: 0.9496 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-10  Epoch 98/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1373 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-10  Epoch 99/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1256 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-10  Epoch 100/2000  61/62 [============================>.] - ETA: 0s - loss: 0.1312 - categorical\_accuracy: 0.9703INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0100.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0100.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTM object at 0x7f0603c3d350> has the same name 'LSTM' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTM'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7f05f0549390> has the same name 'LSTMCell' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTMCell'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  62/62 [==============================] - 9s 148ms/step - loss: 0.1308 - categorical\_accuracy: 0.9708 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-10  Epoch 101/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1460 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-10  Epoch 102/2000  62/62 [==============================] - ETA: 0s - loss: 0.1396 - categorical\_accuracy: 0.9667  Epoch 00102: ReduceLROnPlateau reducing learning rate to 9.99999943962493e-12.  62/62 [==============================] - 6s 90ms/step - loss: 0.1396 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-10  Epoch 103/2000  62/62 [==============================] - 6s 95ms/step - loss: 0.1483 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-11  Epoch 104/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1386 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-11  Epoch 105/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1349 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-11  Epoch 106/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1505 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-11  Epoch 107/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1388 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-11  Epoch 108/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1367 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-11  Epoch 109/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1337 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-11  Epoch 110/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1244 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-11  Epoch 111/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1347 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-11  Epoch 112/2000  62/62 [==============================] - ETA: 0s - loss: 0.1320 - categorical\_accuracy: 0.9607  Epoch 00112: ReduceLROnPlateau reducing learning rate to 9.999999092680235e-13.  62/62 [==============================] - 6s 90ms/step - loss: 0.1320 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-11  Epoch 113/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1348 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-12  Epoch 114/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1407 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-12  Epoch 115/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1473 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-12  Epoch 116/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1441 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-12  Epoch 117/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1126 - categorical\_accuracy: 0.9728 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-12  Epoch 118/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1366 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-12  Epoch 119/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1392 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-12  Epoch 120/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1380 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-12  Epoch 121/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1253 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-12  Epoch 122/2000  62/62 [==============================] - ETA: 0s - loss: 0.1387 - categorical\_accuracy: 0.9607  Epoch 00122: ReduceLROnPlateau reducing learning rate to 9.9999988758398e-14.  62/62 [==============================] - 6s 91ms/step - loss: 0.1387 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-12  Epoch 123/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1265 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-13  Epoch 124/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1319 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-13  Epoch 125/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1274 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-13  Epoch 126/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1299 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-13  Epoch 127/2000  62/62 [==============================] - 6s 95ms/step - loss: 0.1206 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-13  Epoch 128/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1271 - categorical\_accuracy: 0.9698 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-13  Epoch 129/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1397 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-13  Epoch 130/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1308 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-13  Epoch 131/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1358 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-13  Epoch 132/2000  62/62 [==============================] - ETA: 0s - loss: 0.1274 - categorical\_accuracy: 0.9677  Epoch 00132: ReduceLROnPlateau reducing learning rate to 9.999999146890344e-15.  62/62 [==============================] - 6s 93ms/step - loss: 0.1274 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-13  Epoch 133/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1312 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-14  Epoch 134/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1291 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-14  Epoch 135/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1323 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-14  Epoch 136/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1272 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-14  Epoch 137/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1235 - categorical\_accuracy: 0.9708 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-14  Epoch 138/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1454 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-14  Epoch 139/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1360 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-14  Epoch 140/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1392 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-14  Epoch 141/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1296 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-14  Epoch 142/2000  62/62 [==============================] - ETA: 0s - loss: 0.1319 - categorical\_accuracy: 0.9667  Epoch 00142: ReduceLROnPlateau reducing learning rate to 9.999998977483753e-16.  Epoch 1/2000  62/62 [==============================] - 341s 5s/step - loss: 1.5836 - categorical\_accuracy: 0.2490 - val\_loss: 1.5220 - val\_categorical\_accuracy: 0.3438 - lr: 1.0000e-05  Epoch 2/2000  62/62 [==============================] - 6s 92ms/step - loss: 1.5344 - categorical\_accuracy: 0.3095 - val\_loss: 1.4940 - val\_categorical\_accuracy: 0.3646 - lr: 1.0000e-05  Epoch 3/2000  62/62 [==============================] - 6s 90ms/step - loss: 1.5063 - categorical\_accuracy: 0.3558 - val\_loss: 1.4717 - val\_categorical\_accuracy: 0.3958 - lr: 1.0000e-05  Epoch 4/2000  62/62 [==============================] - 6s 93ms/step - loss: 1.4713 - categorical\_accuracy: 0.3841 - val\_loss: 1.4555 - val\_categorical\_accuracy: 0.4271 - lr: 1.0000e-05  Epoch 5/2000  62/62 [==============================] - 6s 93ms/step - loss: 1.4616 - categorical\_accuracy: 0.3639 - val\_loss: 1.4355 - val\_categorical\_accuracy: 0.4375 - lr: 1.0000e-05  Epoch 6/2000  62/62 [==============================] - 6s 93ms/step - loss: 1.4352 - categorical\_accuracy: 0.3831 - val\_loss: 1.4194 - val\_categorical\_accuracy: 0.4271 - lr: 1.0000e-05  Epoch 7/2000  62/62 [==============================] - 6s 91ms/step - loss: 1.4060 - categorical\_accuracy: 0.4173 - val\_loss: 1.4012 - val\_categorical\_accuracy: 0.4271 - lr: 1.0000e-05  Epoch 8/2000  62/62 [==============================] - 6s 94ms/step - loss: 1.3786 - categorical\_accuracy: 0.4325 - val\_loss: 1.3810 - val\_categorical\_accuracy: 0.4583 - lr: 1.0000e-05  Epoch 9/2000  62/62 [==============================] - 6s 93ms/step - loss: 1.3652 - categorical\_accuracy: 0.4526 - val\_loss: 1.3548 - val\_categorical\_accuracy: 0.4583 - lr: 1.0000e-05  Epoch 10/2000  62/62 [==============================] - 6s 93ms/step - loss: 1.3278 - categorical\_accuracy: 0.4768 - val\_loss: 1.3257 - val\_categorical\_accuracy: 0.4896 - lr: 1.0000e-05  Epoch 11/2000  62/62 [==============================] - 6s 94ms/step - loss: 1.2956 - categorical\_accuracy: 0.4808 - val\_loss: 1.2903 - val\_categorical\_accuracy: 0.5104 - lr: 1.0000e-05  Epoch 12/2000  62/62 [==============================] - 6s 93ms/step - loss: 1.2663 - categorical\_accuracy: 0.5101 - val\_loss: 1.2466 - val\_categorical\_accuracy: 0.5625 - lr: 1.0000e-05  Epoch 13/2000  62/62 [==============================] - 6s 93ms/step - loss: 1.2308 - categorical\_accuracy: 0.5363 - val\_loss: 1.2002 - val\_categorical\_accuracy: 0.5833 - lr: 1.0000e-05  Epoch 14/2000  62/62 [==============================] - 6s 93ms/step - loss: 1.1868 - categorical\_accuracy: 0.5575 - val\_loss: 1.1522 - val\_categorical\_accuracy: 0.5833 - lr: 1.0000e-05  Epoch 15/2000  62/62 [==============================] - 6s 91ms/step - loss: 1.1389 - categorical\_accuracy: 0.5827 - val\_loss: 1.1017 - val\_categorical\_accuracy: 0.6146 - lr: 1.0000e-05  Epoch 16/2000  62/62 [==============================] - 6s 93ms/step - loss: 1.0935 - categorical\_accuracy: 0.5847 - val\_loss: 1.0613 - val\_categorical\_accuracy: 0.6354 - lr: 1.0000e-05  Epoch 17/2000  62/62 [==============================] - 6s 92ms/step - loss: 1.0409 - categorical\_accuracy: 0.6371 - val\_loss: 1.0238 - val\_categorical\_accuracy: 0.6458 - lr: 1.0000e-05  Epoch 18/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.9921 - categorical\_accuracy: 0.6391 - val\_loss: 0.9937 - val\_categorical\_accuracy: 0.6562 - lr: 1.0000e-05  Epoch 19/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.9530 - categorical\_accuracy: 0.6411 - val\_loss: 0.9752 - val\_categorical\_accuracy: 0.6458 - lr: 1.0000e-05  Epoch 20/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.9073 - categorical\_accuracy: 0.6653 - val\_loss: 0.9561 - val\_categorical\_accuracy: 0.6771 - lr: 1.0000e-05  Epoch 21/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.8230 - categorical\_accuracy: 0.7157 - val\_loss: 0.9372 - val\_categorical\_accuracy: 0.6875 - lr: 1.0000e-05  Epoch 22/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.7962 - categorical\_accuracy: 0.7278 - val\_loss: 0.9352 - val\_categorical\_accuracy: 0.6875 - lr: 1.0000e-05  Epoch 23/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.7600 - categorical\_accuracy: 0.7460 - val\_loss: 0.8720 - val\_categorical\_accuracy: 0.6771 - lr: 1.0000e-05  Epoch 24/2000  62/62 [==============================] - 6s 95ms/step - loss: 0.7014 - categorical\_accuracy: 0.7571 - val\_loss: 0.8905 - val\_categorical\_accuracy: 0.6667 - lr: 1.0000e-05  Epoch 25/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.6517 - categorical\_accuracy: 0.7772 - val\_loss: 0.8570 - val\_categorical\_accuracy: 0.6667 - lr: 1.0000e-05  Epoch 26/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.6170 - categorical\_accuracy: 0.7944 - val\_loss: 0.8322 - val\_categorical\_accuracy: 0.6979 - lr: 1.0000e-05  Epoch 27/2000  62/62 [==============================] - 6s 95ms/step - loss: 0.5939 - categorical\_accuracy: 0.8024 - val\_loss: 0.8377 - val\_categorical\_accuracy: 0.6667 - lr: 1.0000e-05  Epoch 28/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.5285 - categorical\_accuracy: 0.8216 - val\_loss: 0.8595 - val\_categorical\_accuracy: 0.6875 - lr: 1.0000e-05  Epoch 29/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.5227 - categorical\_accuracy: 0.8185 - val\_loss: 0.7861 - val\_categorical\_accuracy: 0.6875 - lr: 1.0000e-05  Epoch 30/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.4677 - categorical\_accuracy: 0.8427 - val\_loss: 0.7342 - val\_categorical\_accuracy: 0.7083 - lr: 1.0000e-05  Epoch 31/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.4412 - categorical\_accuracy: 0.8619 - val\_loss: 0.7457 - val\_categorical\_accuracy: 0.7083 - lr: 1.0000e-05  Epoch 32/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.4370 - categorical\_accuracy: 0.8609 - val\_loss: 0.7304 - val\_categorical\_accuracy: 0.7292 - lr: 1.0000e-05  Epoch 33/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.3729 - categorical\_accuracy: 0.8740 - val\_loss: 0.7277 - val\_categorical\_accuracy: 0.6979 - lr: 1.0000e-05  Epoch 34/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.3597 - categorical\_accuracy: 0.8780 - val\_loss: 0.8095 - val\_categorical\_accuracy: 0.6979 - lr: 1.0000e-05  Epoch 35/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.3518 - categorical\_accuracy: 0.8851 - val\_loss: 0.6820 - val\_categorical\_accuracy: 0.7500 - lr: 1.0000e-05  Epoch 36/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.3095 - categorical\_accuracy: 0.8972 - val\_loss: 0.7541 - val\_categorical\_accuracy: 0.7188 - lr: 1.0000e-05  Epoch 37/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.3011 - categorical\_accuracy: 0.8982 - val\_loss: 0.7499 - val\_categorical\_accuracy: 0.7188 - lr: 1.0000e-05  Epoch 38/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.2851 - categorical\_accuracy: 0.9204 - val\_loss: 0.7909 - val\_categorical\_accuracy: 0.7292 - lr: 1.0000e-05  Epoch 39/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.2732 - categorical\_accuracy: 0.9173 - val\_loss: 0.7133 - val\_categorical\_accuracy: 0.7500 - lr: 1.0000e-05  Epoch 40/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.2580 - categorical\_accuracy: 0.9052 - val\_loss: 0.6886 - val\_categorical\_accuracy: 0.8021 - lr: 1.0000e-05  Epoch 41/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.2385 - categorical\_accuracy: 0.9224 - val\_loss: 0.7126 - val\_categorical\_accuracy: 0.8021 - lr: 1.0000e-05  Epoch 42/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1994 - categorical\_accuracy: 0.9415 - val\_loss: 0.7297 - val\_categorical\_accuracy: 0.7604 - lr: 1.0000e-05  Epoch 43/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.2083 - categorical\_accuracy: 0.9294 - val\_loss: 0.7780 - val\_categorical\_accuracy: 0.7396 - lr: 1.0000e-05  Epoch 44/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1888 - categorical\_accuracy: 0.9496 - val\_loss: 0.6911 - val\_categorical\_accuracy: 0.8229 - lr: 1.0000e-05  Epoch 45/2000  62/62 [==============================] - ETA: 0s - loss: 0.1813 - categorical\_accuracy: 0.9395  Epoch 00045: ReduceLROnPlateau reducing learning rate to 9.999999747378752e-07.  62/62 [==============================] - 6s 91ms/step - loss: 0.1813 - categorical\_accuracy: 0.9395 - val\_loss: 0.7492 - val\_categorical\_accuracy: 0.8333 - lr: 1.0000e-05  Epoch 46/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1904 - categorical\_accuracy: 0.9466 - val\_loss: 0.6844 - val\_categorical\_accuracy: 0.8229 - lr: 1.0000e-06  Epoch 47/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1686 - categorical\_accuracy: 0.9435 - val\_loss: 0.6774 - val\_categorical\_accuracy: 0.8333 - lr: 1.0000e-06  Epoch 48/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1453 - categorical\_accuracy: 0.9597 - val\_loss: 0.6888 - val\_categorical\_accuracy: 0.8438 - lr: 1.0000e-06  Epoch 49/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1569 - categorical\_accuracy: 0.9546 - val\_loss: 0.6785 - val\_categorical\_accuracy: 0.8438 - lr: 1.0000e-06  Epoch 50/2000  61/62 [============================>.] - ETA: 0s - loss: 0.1554 - categorical\_accuracy: 0.9529INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0050.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTM object at 0x7f0603c3d350> has the same name 'LSTM' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTM'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7f05f0549390> has the same name 'LSTMCell' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTMCell'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  62/62 [==============================] - 9s 153ms/step - loss: 0.1551 - categorical\_accuracy: 0.9526 - val\_loss: 0.6790 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-06  Epoch 51/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1543 - categorical\_accuracy: 0.9536 - val\_loss: 0.6782 - val\_categorical\_accuracy: 0.8438 - lr: 1.0000e-06  Epoch 52/2000  62/62 [==============================] - 6s 95ms/step - loss: 0.1465 - categorical\_accuracy: 0.9587 - val\_loss: 0.6737 - val\_categorical\_accuracy: 0.8438 - lr: 1.0000e-06  Epoch 53/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1575 - categorical\_accuracy: 0.9556 - val\_loss: 0.6810 - val\_categorical\_accuracy: 0.8438 - lr: 1.0000e-06  Epoch 54/2000  62/62 [==============================] - 6s 95ms/step - loss: 0.1304 - categorical\_accuracy: 0.9688 - val\_loss: 0.6890 - val\_categorical\_accuracy: 0.8438 - lr: 1.0000e-06  Epoch 55/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1363 - categorical\_accuracy: 0.9667 - val\_loss: 0.6799 - val\_categorical\_accuracy: 0.8438 - lr: 1.0000e-06  Epoch 56/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1450 - categorical\_accuracy: 0.9617 - val\_loss: 0.6875 - val\_categorical\_accuracy: 0.8438 - lr: 1.0000e-06  Epoch 57/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1478 - categorical\_accuracy: 0.9546 - val\_loss: 0.7141 - val\_categorical\_accuracy: 0.8438 - lr: 1.0000e-06  Epoch 58/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1417 - categorical\_accuracy: 0.9587 - val\_loss: 0.7014 - val\_categorical\_accuracy: 0.8438 - lr: 1.0000e-06  Epoch 59/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1539 - categorical\_accuracy: 0.9516 - val\_loss: 0.6940 - val\_categorical\_accuracy: 0.8438 - lr: 1.0000e-06  Epoch 60/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1525 - categorical\_accuracy: 0.9556 - val\_loss: 0.6897 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-06  Epoch 61/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1411 - categorical\_accuracy: 0.9617 - val\_loss: 0.6879 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-06  Epoch 62/2000  62/62 [==============================] - ETA: 0s - loss: 0.1510 - categorical\_accuracy: 0.9597  Epoch 00062: ReduceLROnPlateau reducing learning rate to 9.999999974752428e-08.  62/62 [==============================] - 6s 94ms/step - loss: 0.1510 - categorical\_accuracy: 0.9597 - val\_loss: 0.6823 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-06  Epoch 63/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1549 - categorical\_accuracy: 0.9617 - val\_loss: 0.6811 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-07  Epoch 64/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1378 - categorical\_accuracy: 0.9617 - val\_loss: 0.6808 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-07  Epoch 65/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1355 - categorical\_accuracy: 0.9647 - val\_loss: 0.6803 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-07  Epoch 66/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1459 - categorical\_accuracy: 0.9627 - val\_loss: 0.6817 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-07  Epoch 67/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1269 - categorical\_accuracy: 0.9688 - val\_loss: 0.6816 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-07  Epoch 68/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1328 - categorical\_accuracy: 0.9637 - val\_loss: 0.6809 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-07  Epoch 69/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1416 - categorical\_accuracy: 0.9577 - val\_loss: 0.6829 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-07  Epoch 70/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1430 - categorical\_accuracy: 0.9567 - val\_loss: 0.6828 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-07  Epoch 71/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1313 - categorical\_accuracy: 0.9627 - val\_loss: 0.6813 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-07  Epoch 72/2000  62/62 [==============================] - ETA: 0s - loss: 0.1291 - categorical\_accuracy: 0.9698  Epoch 00072: ReduceLROnPlateau reducing learning rate to 1.0000000116860975e-08.  62/62 [==============================] - 6s 91ms/step - loss: 0.1291 - categorical\_accuracy: 0.9698 - val\_loss: 0.6820 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-07  Epoch 73/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1450 - categorical\_accuracy: 0.9567 - val\_loss: 0.6819 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-08  Epoch 74/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1254 - categorical\_accuracy: 0.9677 - val\_loss: 0.6818 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-08  Epoch 75/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1414 - categorical\_accuracy: 0.9657 - val\_loss: 0.6820 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-08  Epoch 76/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1511 - categorical\_accuracy: 0.9526 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-08  Epoch 77/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1538 - categorical\_accuracy: 0.9546 - val\_loss: 0.6821 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-08  Epoch 78/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1401 - categorical\_accuracy: 0.9556 - val\_loss: 0.6821 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-08  Epoch 79/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1233 - categorical\_accuracy: 0.9677 - val\_loss: 0.6821 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-08  Epoch 80/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1390 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-08  Epoch 81/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1440 - categorical\_accuracy: 0.9607 - val\_loss: 0.6823 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-08  Epoch 82/2000  62/62 [==============================] - ETA: 0s - loss: 0.1401 - categorical\_accuracy: 0.9617  Epoch 00082: ReduceLROnPlateau reducing learning rate to 9.999999939225292e-10.  62/62 [==============================] - 6s 93ms/step - loss: 0.1401 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-08  Epoch 83/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1234 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-09  Epoch 84/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1390 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-09  Epoch 85/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1410 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-09  Epoch 86/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1394 - categorical\_accuracy: 0.9587 - val\_loss: 0.6823 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-09  Epoch 87/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1333 - categorical\_accuracy: 0.9667 - val\_loss: 0.6823 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-09  Epoch 88/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1392 - categorical\_accuracy: 0.9577 - val\_loss: 0.6823 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-09  Epoch 89/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1383 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-09  Epoch 90/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1439 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-09  Epoch 91/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1377 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-09  Epoch 92/2000  62/62 [==============================] - ETA: 0s - loss: 0.1361 - categorical\_accuracy: 0.9637  Epoch 00092: ReduceLROnPlateau reducing learning rate to 9.999999717180686e-11.  62/62 [==============================] - 6s 93ms/step - loss: 0.1361 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-09  Epoch 93/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1352 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-10  Epoch 94/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1477 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-10  Epoch 95/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1435 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-10  Epoch 96/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1407 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-10  Epoch 97/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1484 - categorical\_accuracy: 0.9496 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-10  Epoch 98/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1373 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-10  Epoch 99/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1256 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-10  Epoch 100/2000  61/62 [============================>.] - ETA: 0s - loss: 0.1312 - categorical\_accuracy: 0.9703INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0100.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0100.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTM object at 0x7f0603c3d350> has the same name 'LSTM' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTM'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7f05f0549390> has the same name 'LSTMCell' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTMCell'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  62/62 [==============================] - 9s 148ms/step - loss: 0.1308 - categorical\_accuracy: 0.9708 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-10  Epoch 101/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1460 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-10  Epoch 102/2000  62/62 [==============================] - ETA: 0s - loss: 0.1396 - categorical\_accuracy: 0.9667  Epoch 00102: ReduceLROnPlateau reducing learning rate to 9.99999943962493e-12.  62/62 [==============================] - 6s 90ms/step - loss: 0.1396 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-10  Epoch 103/2000  62/62 [==============================] - 6s 95ms/step - loss: 0.1483 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-11  Epoch 104/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1386 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-11  Epoch 105/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1349 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-11  Epoch 106/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1505 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-11  Epoch 107/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1388 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-11  Epoch 108/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1367 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-11  Epoch 109/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1337 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-11  Epoch 110/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1244 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-11  Epoch 111/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1347 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-11  Epoch 112/2000  62/62 [==============================] - ETA: 0s - loss: 0.1320 - categorical\_accuracy: 0.9607  Epoch 00112: ReduceLROnPlateau reducing learning rate to 9.999999092680235e-13.  62/62 [==============================] - 6s 90ms/step - loss: 0.1320 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-11  Epoch 113/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1348 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-12  Epoch 114/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1407 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-12  Epoch 115/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1473 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-12  Epoch 116/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1441 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-12  Epoch 117/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1126 - categorical\_accuracy: 0.9728 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-12  Epoch 118/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1366 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-12  Epoch 119/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1392 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-12  Epoch 120/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1380 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-12  Epoch 121/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1253 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-12  Epoch 122/2000  62/62 [==============================] - ETA: 0s - loss: 0.1387 - categorical\_accuracy: 0.9607  Epoch 00122: ReduceLROnPlateau reducing learning rate to 9.9999988758398e-14.  62/62 [==============================] - 6s 91ms/step - loss: 0.1387 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-12  Epoch 123/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1265 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-13  Epoch 124/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1319 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-13  Epoch 125/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1274 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-13  Epoch 126/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1299 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-13  Epoch 127/2000  62/62 [==============================] - 6s 95ms/step - loss: 0.1206 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-13  Epoch 128/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1271 - categorical\_accuracy: 0.9698 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-13  Epoch 129/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1397 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-13  Epoch 130/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1308 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-13  Epoch 131/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1358 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-13  Epoch 132/2000  62/62 [==============================] - ETA: 0s - loss: 0.1274 - categorical\_accuracy: 0.9677  Epoch 00132: ReduceLROnPlateau reducing learning rate to 9.999999146890344e-15.  62/62 [==============================] - 6s 93ms/step - loss: 0.1274 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-13  Epoch 133/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1312 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-14  Epoch 134/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1291 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-14  Epoch 135/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1323 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-14  Epoch 136/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1272 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-14  Epoch 137/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1235 - categorical\_accuracy: 0.9708 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-14  Epoch 138/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1454 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-14  Epoch 139/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1360 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-14  Epoch 140/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1392 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-14  Epoch 141/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1296 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-14  Epoch 142/2000  62/62 [==============================] - ETA: 0s - loss: 0.1319 - categorical\_accuracy: 0.9667  Epoch 00142: ReduceLROnPlateau reducing learning rate to 9.999998977483753e-16.  62/62 [==============================] - 6s 94ms/step - loss: 0.1319 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-14  Epoch 143/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1384 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-15  Epoch 144/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1433 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-15  Epoch 145/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1617 - categorical\_accuracy: 0.9476 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-15  Epoch 146/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1295 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-15  Epoch 147/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1281 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-15  Epoch 148/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1555 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-15  Epoch 149/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1351 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-15  Epoch 150/2000  61/62 [============================>.] - ETA: 0s - loss: 0.1312 - categorical\_accuracy: 0.9672INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0150.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0150.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTM object at 0x7f0603c3d350> has the same name 'LSTM' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTM'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7f05f0549390> has the same name 'LSTMCell' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTMCell'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  62/62 [==============================] - 9s 151ms/step - loss: 0.1338 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-15  Epoch 151/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1226 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-15  Epoch 152/2000  62/62 [==============================] - ETA: 0s - loss: 0.1307 - categorical\_accuracy: 0.9587  Epoch 00152: ReduceLROnPlateau reducing learning rate to 9.999998977483754e-17.  62/62 [==============================] - 6s 92ms/step - loss: 0.1307 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-15  Epoch 153/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1316 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-16  Epoch 154/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1268 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-16  Epoch 155/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1479 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-16  Epoch 156/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1317 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-16  Epoch 157/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1350 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-16  Epoch 158/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1258 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-16  Epoch 159/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1306 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-16  Epoch 160/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1371 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-16  Epoch 161/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1399 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-16  Epoch 162/2000  62/62 [==============================] - ETA: 0s - loss: 0.1429 - categorical\_accuracy: 0.9637  Epoch 00162: ReduceLROnPlateau reducing learning rate to 9.999998845134856e-18.  62/62 [==============================] - 6s 92ms/step - loss: 0.1429 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-16  Epoch 163/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1452 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-17  Epoch 164/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1279 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-17  Epoch 165/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1462 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-17  Epoch 166/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1373 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-17  Epoch 167/2000  62/62 [==============================] - 6s 95ms/step - loss: 0.1450 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-17  Epoch 168/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1466 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-17  Epoch 169/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1330 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-17  Epoch 170/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1367 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-17  Epoch 171/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1305 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-17  Epoch 172/2000  62/62 [==============================] - ETA: 0s - loss: 0.1279 - categorical\_accuracy: 0.9718  Epoch 00172: ReduceLROnPlateau reducing learning rate to 9.999999010570977e-19.  62/62 [==============================] - 6s 90ms/step - loss: 0.1279 - categorical\_accuracy: 0.9718 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-17  Epoch 173/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1481 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-18  Epoch 174/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1396 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-18  Epoch 175/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1532 - categorical\_accuracy: 0.9486 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-18  Epoch 176/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1338 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-18  Epoch 177/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1443 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-18  Epoch 178/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1298 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-18  Epoch 179/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1400 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-18  Epoch 180/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1356 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-18  Epoch 181/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1333 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-18  Epoch 182/2000  62/62 [==============================] - ETA: 0s - loss: 0.1361 - categorical\_accuracy: 0.9677  Epoch 00182: ReduceLROnPlateau reducing learning rate to 9.999999424161285e-20.  62/62 [==============================] - 6s 91ms/step - loss: 0.1361 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-18  Epoch 183/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1268 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-19  Epoch 184/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1386 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-19  Epoch 185/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1375 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-19  Epoch 186/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1362 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-19  Epoch 187/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1500 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-19  Epoch 188/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1491 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-19  Epoch 189/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1492 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-19  Epoch 190/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1268 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-19  Epoch 191/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1462 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-19  Epoch 192/2000  62/62 [==============================] - ETA: 0s - loss: 0.1267 - categorical\_accuracy: 0.9627  Epoch 00192: ReduceLROnPlateau reducing learning rate to 9.999999682655225e-21.  62/62 [==============================] - 6s 91ms/step - loss: 0.1267 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-19  Epoch 193/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1433 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-20  Epoch 194/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1289 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-20  Epoch 195/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1356 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-20  Epoch 196/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1484 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-20  Epoch 197/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1300 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-20  Epoch 198/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1458 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-20  Epoch 199/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1209 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-20  Epoch 200/2000  61/62 [============================>.] - ETA: 0s - loss: 0.1358 - categorical\_accuracy: 0.9590INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0200.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0200.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTM object at 0x7f0603c3d350> has the same name 'LSTM' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTM'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7f05f0549390> has the same name 'LSTMCell' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTMCell'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  62/62 [==============================] - 9s 150ms/step - loss: 0.1360 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-20  Epoch 201/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1271 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-20  Epoch 202/2000  62/62 [==============================] - ETA: 0s - loss: 0.1313 - categorical\_accuracy: 0.9607  Epoch 00202: ReduceLROnPlateau reducing learning rate to 9.999999682655225e-22.  62/62 [==============================] - 6s 91ms/step - loss: 0.1313 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-20  Epoch 203/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1477 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-21  Epoch 204/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1462 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-21  Epoch 205/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1399 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-21  Epoch 206/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1302 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-21  Epoch 207/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1457 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-21  Epoch 208/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1216 - categorical\_accuracy: 0.9748 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-21  Epoch 209/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1286 - categorical\_accuracy: 0.9698 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-21  Epoch 210/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1485 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-21  Epoch 211/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1215 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-21  Epoch 212/2000  62/62 [==============================] - ETA: 0s - loss: 0.1457 - categorical\_accuracy: 0.9607  Epoch 00212: ReduceLROnPlateau reducing learning rate to 9.999999682655225e-23.  62/62 [==============================] - 6s 92ms/step - loss: 0.1457 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-21  Epoch 213/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1433 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-22  Epoch 214/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1457 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-22  Epoch 215/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1476 - categorical\_accuracy: 0.9526 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-22  Epoch 216/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1280 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-22  Epoch 217/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1413 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-22  Epoch 218/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1339 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-22  Epoch 219/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1300 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-22  Epoch 220/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1324 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-22  Epoch 221/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1281 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-22  Epoch 222/2000  62/62 [==============================] - ETA: 0s - loss: 0.1318 - categorical\_accuracy: 0.9647  Epoch 00222: ReduceLROnPlateau reducing learning rate to 9.999999682655227e-24.  62/62 [==============================] - 6s 92ms/step - loss: 0.1318 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-22  Epoch 223/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1353 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-23  Epoch 224/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1388 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-23  Epoch 225/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1351 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-23  Epoch 226/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1284 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-23  Epoch 227/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1468 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-23  Epoch 228/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1365 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-23  Epoch 229/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1528 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-23  Epoch 230/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1403 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-23  Epoch 231/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1395 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-23  Epoch 232/2000  62/62 [==============================] - ETA: 0s - loss: 0.1353 - categorical\_accuracy: 0.9627  Epoch 00232: ReduceLROnPlateau reducing learning rate to 9.999999998199588e-25.  62/62 [==============================] - 6s 90ms/step - loss: 0.1353 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-23  Epoch 233/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1321 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-24  Epoch 234/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1357 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-24  Epoch 235/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1496 - categorical\_accuracy: 0.9456 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-24  Epoch 236/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1479 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-24  Epoch 237/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1368 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-24  Epoch 238/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1313 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-24  Epoch 239/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1401 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-24  Epoch 240/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1373 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-24  Epoch 241/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1305 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-24  Epoch 242/2000  62/62 [==============================] - ETA: 0s - loss: 0.1384 - categorical\_accuracy: 0.9607  Epoch 00242: ReduceLROnPlateau reducing learning rate to 1.0000000195414814e-25.  62/62 [==============================] - 6s 91ms/step - loss: 0.1384 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-24  Epoch 243/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1333 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-25  Epoch 244/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1409 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-25  Epoch 245/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1591 - categorical\_accuracy: 0.9506 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-25  Epoch 246/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1324 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-25  Epoch 247/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1287 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-25  Epoch 248/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1403 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-25  Epoch 249/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1363 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-25  Epoch 250/2000  61/62 [============================>.] - ETA: 0s - loss: 0.1356 - categorical\_accuracy: 0.9590INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0250.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0250.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTM object at 0x7f0603c3d350> has the same name 'LSTM' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTM'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7f05f0549390> has the same name 'LSTMCell' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTMCell'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  62/62 [==============================] - 9s 153ms/step - loss: 0.1367 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-25  Epoch 251/2000  62/62 [==============================] - 6s 96ms/step - loss: 0.1353 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-25  Epoch 252/2000  62/62 [==============================] - ETA: 0s - loss: 0.1367 - categorical\_accuracy: 0.9577  Epoch 00252: ReduceLROnPlateau reducing learning rate to 1.0000000195414814e-26.  62/62 [==============================] - 6s 91ms/step - loss: 0.1367 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-25  Epoch 253/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1400 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-26  Epoch 254/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1529 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-26  Epoch 255/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1469 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-26  Epoch 256/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1523 - categorical\_accuracy: 0.9516 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-26  Epoch 257/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1429 - categorical\_accuracy: 0.9536 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-26  Epoch 258/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1354 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-26  Epoch 259/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1439 - categorical\_accuracy: 0.9536 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-26  Epoch 260/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1365 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-26  Epoch 261/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1510 - categorical\_accuracy: 0.9536 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-26  Epoch 262/2000  62/62 [==============================] - ETA: 0s - loss: 0.1275 - categorical\_accuracy: 0.9698  Epoch 00262: ReduceLROnPlateau reducing learning rate to 9.999999887266024e-28.  62/62 [==============================] - 6s 93ms/step - loss: 0.1275 - categorical\_accuracy: 0.9698 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-26  Epoch 263/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1350 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-27  Epoch 264/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1370 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-27  Epoch 265/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1361 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-27  Epoch 266/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1400 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-27  Epoch 267/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1404 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-27  Epoch 268/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1365 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-27  Epoch 269/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1507 - categorical\_accuracy: 0.9536 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-27  Epoch 270/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1351 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-27  Epoch 271/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1402 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-27  Epoch 272/2000  62/62 [==============================] - ETA: 0s - loss: 0.1403 - categorical\_accuracy: 0.9617  Epoch 00272: ReduceLROnPlateau reducing learning rate to 1.0000000272452012e-28.  62/62 [==============================] - 6s 91ms/step - loss: 0.1403 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-27  Epoch 273/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1306 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-28  Epoch 274/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1371 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-28  Epoch 275/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1379 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-28  Epoch 276/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1488 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-28  Epoch 277/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1446 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-28  Epoch 278/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1405 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-28  Epoch 279/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1315 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-28  Epoch 280/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1388 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-28  Epoch 281/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1386 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-28  Epoch 282/2000  62/62 [==============================] - ETA: 0s - loss: 0.1401 - categorical\_accuracy: 0.9657  Epoch 00282: ReduceLROnPlateau reducing learning rate to 1.0000000031710769e-29.  62/62 [==============================] - 6s 91ms/step - loss: 0.1401 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-28  Epoch 283/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1430 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-29  Epoch 284/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1403 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-29  Epoch 285/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1524 - categorical\_accuracy: 0.9516 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-29  Epoch 286/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1421 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-29  Epoch 287/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1446 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-29  Epoch 288/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1298 - categorical\_accuracy: 0.9708 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-29  Epoch 289/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1452 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-29  Epoch 290/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1410 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-29  Epoch 291/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1317 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-29  Epoch 292/2000  62/62 [==============================] - ETA: 0s - loss: 0.1263 - categorical\_accuracy: 0.9698  Epoch 00292: ReduceLROnPlateau reducing learning rate to 1.0000000031710769e-30.  62/62 [==============================] - 6s 93ms/step - loss: 0.1263 - categorical\_accuracy: 0.9698 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-29  Epoch 293/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1336 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-30  Epoch 294/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1230 - categorical\_accuracy: 0.9718 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-30  Epoch 295/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1412 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-30  Epoch 296/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1488 - categorical\_accuracy: 0.9526 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-30  Epoch 297/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1543 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-30  Epoch 298/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1328 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-30  Epoch 299/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1255 - categorical\_accuracy: 0.9708 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-30  Epoch 300/2000  61/62 [============================>.] - ETA: 0s - loss: 0.1461 - categorical\_accuracy: 0.9600INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0300.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0300.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTM object at 0x7f0603c3d350> has the same name 'LSTM' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTM'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7f05f0549390> has the same name 'LSTMCell' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTMCell'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  62/62 [==============================] - 9s 152ms/step - loss: 0.1471 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-30  Epoch 301/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1404 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-30  Epoch 302/2000  62/62 [==============================] - ETA: 0s - loss: 0.1327 - categorical\_accuracy: 0.9637  Epoch 00302: ReduceLROnPlateau reducing learning rate to 1.000000003171077e-31.  62/62 [==============================] - 6s 91ms/step - loss: 0.1327 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-30  Epoch 303/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1414 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-31  Epoch 304/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1319 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-31  Epoch 305/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1292 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-31  Epoch 306/2000  62/62 [==============================] - 6s 88ms/step - loss: 0.1375 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-31  Epoch 307/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1338 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-31  Epoch 308/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1288 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-31  Epoch 309/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1408 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-31  Epoch 310/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1469 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-31  Epoch 311/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1226 - categorical\_accuracy: 0.9718 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-31  Epoch 312/2000  62/62 [==============================] - ETA: 0s - loss: 0.1409 - categorical\_accuracy: 0.9607  Epoch 00312: ReduceLROnPlateau reducing learning rate to 9.999999796611899e-33.  62/62 [==============================] - 6s 92ms/step - loss: 0.1409 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-31  Epoch 313/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1330 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-32  Epoch 314/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1321 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-32  Epoch 315/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1458 - categorical\_accuracy: 0.9536 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-32  Epoch 316/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1415 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-32  Epoch 317/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1387 - categorical\_accuracy: 0.9506 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-32  Epoch 318/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1397 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-32  Epoch 319/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1287 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-32  Epoch 320/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1385 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-32  Epoch 321/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1575 - categorical\_accuracy: 0.9506 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-32  Epoch 322/2000  62/62 [==============================] - ETA: 0s - loss: 0.1418 - categorical\_accuracy: 0.9597  Epoch 00322: ReduceLROnPlateau reducing learning rate to 9.999999502738312e-34.  62/62 [==============================] - 6s 88ms/step - loss: 0.1418 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-32  Epoch 323/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1368 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-33  Epoch 324/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1369 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-33  Epoch 325/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1371 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-33  Epoch 326/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1261 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-33  Epoch 327/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1360 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-33  Epoch 328/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1322 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-33  Epoch 329/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1484 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-33  Epoch 330/2000  62/62 [==============================] - 6s 88ms/step - loss: 0.1412 - categorical\_accuracy: 0.9536 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-33  Epoch 331/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1511 - categorical\_accuracy: 0.9536 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-33  Epoch 332/2000  62/62 [==============================] - ETA: 0s - loss: 0.1419 - categorical\_accuracy: 0.9587  Epoch 00332: ReduceLROnPlateau reducing learning rate to 9.999999319067318e-35.  62/62 [==============================] - 6s 91ms/step - loss: 0.1419 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-33  Epoch 333/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1345 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-34  Epoch 334/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1251 - categorical\_accuracy: 0.9718 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-34  Epoch 335/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1284 - categorical\_accuracy: 0.9698 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-34  Epoch 336/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1393 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-34  Epoch 337/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1270 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-34  Epoch 338/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1270 - categorical\_accuracy: 0.9708 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-34  Epoch 339/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1342 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-34  Epoch 340/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1479 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-34  Epoch 341/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1344 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-34  Epoch 342/2000  62/62 [==============================] - ETA: 0s - loss: 0.1280 - categorical\_accuracy: 0.9657  Epoch 00342: ReduceLROnPlateau reducing learning rate to 9.999999319067319e-36.  62/62 [==============================] - 6s 90ms/step - loss: 0.1280 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-34  Epoch 343/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1339 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-35  Epoch 344/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1382 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-35  Epoch 345/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1269 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-35  Epoch 346/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1258 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-35  Epoch 347/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1645 - categorical\_accuracy: 0.9466 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-35  Epoch 348/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1533 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-35  Epoch 349/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1377 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-35  Epoch 350/2000  61/62 [============================>.] - ETA: 0s - loss: 0.1276 - categorical\_accuracy: 0.9662INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0350.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0350.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTM object at 0x7f0603c3d350> has the same name 'LSTM' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTM'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7f05f0549390> has the same name 'LSTMCell' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTMCell'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  62/62 [==============================] - 9s 148ms/step - loss: 0.1293 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-35  Epoch 351/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1234 - categorical\_accuracy: 0.9718 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-35  Epoch 352/2000  62/62 [==============================] - ETA: 0s - loss: 0.1406 - categorical\_accuracy: 0.9617  Epoch 00352: ReduceLROnPlateau reducing learning rate to 9.999999462560281e-37.  62/62 [==============================] - 6s 92ms/step - loss: 0.1406 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-35  Epoch 353/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1358 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-36  Epoch 354/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1441 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-36  Epoch 355/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1428 - categorical\_accuracy: 0.9466 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-36  Epoch 356/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1470 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-36  Epoch 357/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1321 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-36  Epoch 358/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1331 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-36  Epoch 359/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1476 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-36  Epoch 360/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1333 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-36  Epoch 361/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1432 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-36  Epoch 362/2000  62/62 [==============================] - ETA: 0s - loss: 0.1369 - categorical\_accuracy: 0.9617  Epoch 00362: ReduceLROnPlateau reducing learning rate to 9.99999946256028e-38.  62/62 [==============================] - 6s 91ms/step - loss: 0.1369 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-36  Epoch 363/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1380 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-37  Epoch 364/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1511 - categorical\_accuracy: 0.9536 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-37  Epoch 365/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1349 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-37  Epoch 366/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1364 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-37  Epoch 367/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1617 - categorical\_accuracy: 0.9466 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-37  Epoch 368/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1391 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-37  Epoch 369/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1533 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-37  Epoch 370/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1277 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-37  Epoch 371/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1443 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-37  Epoch 372/2000  62/62 [==============================] - ETA: 0s - loss: 0.1440 - categorical\_accuracy: 0.9597  Epoch 00372: ReduceLROnPlateau reducing learning rate to 9.99999991097579e-39.  62/62 [==============================] - 6s 90ms/step - loss: 0.1440 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-37  Epoch 373/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1511 - categorical\_accuracy: 0.9536 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-38  Epoch 374/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1313 - categorical\_accuracy: 0.9718 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-38  Epoch 375/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1416 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-38  Epoch 376/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1288 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-38  Epoch 377/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1329 - categorical\_accuracy: 0.9698 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-38  Epoch 378/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1361 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-38  Epoch 379/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1422 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-38  Epoch 380/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1334 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-38  Epoch 381/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1417 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-38  Epoch 382/2000  62/62 [==============================] - ETA: 0s - loss: 0.1362 - categorical\_accuracy: 0.9617  Epoch 00382: ReduceLROnPlateau reducing learning rate to 9.999999350456405e-40.  62/62 [==============================] - 6s 91ms/step - loss: 0.1362 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-38  Epoch 383/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1263 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-39  Epoch 384/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1242 - categorical\_accuracy: 0.9708 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-39  Epoch 385/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1259 - categorical\_accuracy: 0.9708 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-39  Epoch 386/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1309 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-39  Epoch 387/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1410 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-39  Epoch 388/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1251 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-39  Epoch 389/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1448 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-39  Epoch 390/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1429 - categorical\_accuracy: 0.9536 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-39  Epoch 391/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1510 - categorical\_accuracy: 0.9526 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-39  Epoch 392/2000  62/62 [==============================] - ETA: 0s - loss: 0.1362 - categorical\_accuracy: 0.9607  Epoch 00392: ReduceLROnPlateau reducing learning rate to 1.0000002153053334e-40.  62/62 [==============================] - 6s 89ms/step - loss: 0.1362 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-39  Epoch 393/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1432 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.9999e-41  Epoch 394/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1294 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.9999e-41  Epoch 395/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1347 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.9999e-41  Epoch 396/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1324 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.9999e-41  Epoch 397/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1321 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.9999e-41  Epoch 398/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1296 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.9999e-41  Epoch 399/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1341 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.9999e-41  Epoch 400/2000  61/62 [============================>.] - ETA: 0s - loss: 0.1258 - categorical\_accuracy: 0.9682INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0400.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0400.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTM object at 0x7f0603c3d350> has the same name 'LSTM' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTM'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7f05f0549390> has the same name 'LSTMCell' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTMCell'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  62/62 [==============================] - 9s 147ms/step - loss: 0.1268 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.9999e-41  Epoch 401/2000  62/62 [==============================] - 6s 100ms/step - loss: 0.1407 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.9999e-41  Epoch 402/2000  62/62 [==============================] - ETA: 0s - loss: 0.1317 - categorical\_accuracy: 0.9688  Epoch 00402: ReduceLROnPlateau reducing learning rate to 9.99994610111476e-42.  62/62 [==============================] - 6s 93ms/step - loss: 0.1317 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.9999e-41  Epoch 403/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1444 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.9997e-42  Epoch 404/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1495 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.9997e-42  Epoch 405/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1309 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.9997e-42  Epoch 406/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1345 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.9997e-42  Epoch 407/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1427 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.9997e-42  Epoch 408/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1275 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.9997e-42  Epoch 409/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1293 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.9997e-42  Epoch 410/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1249 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.9997e-42  Epoch 411/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1443 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.9997e-42  Epoch 412/2000  62/62 [==============================] - ETA: 0s - loss: 0.1426 - categorical\_accuracy: 0.9597  Epoch 00412: ReduceLROnPlateau reducing learning rate to 9.999665841421895e-43.  62/62 [==============================] - 6s 94ms/step - loss: 0.1426 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.9997e-42  Epoch 413/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1366 - categorical\_accuracy: 0.9698 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0005e-42  Epoch 414/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1329 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0005e-42  Epoch 415/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1257 - categorical\_accuracy: 0.9728 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0005e-42  Epoch 416/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1318 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0005e-42  Epoch 417/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1216 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0005e-42  Epoch 418/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1357 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0005e-42  Epoch 419/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1354 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0005e-42  Epoch 420/2000  62/62 [==============================] - 6s 88ms/step - loss: 0.1414 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0005e-42  Epoch 421/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1327 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0005e-42  Epoch 422/2000  62/62 [==============================] - ETA: 0s - loss: 0.1270 - categorical\_accuracy: 0.9627  Epoch 00422: ReduceLROnPlateau reducing learning rate to 1.0005271035279195e-43.  62/62 [==============================] - 6s 91ms/step - loss: 0.1270 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.0005e-42  Epoch 423/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1317 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.9492e-44  Epoch 424/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1336 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.9492e-44  Epoch 425/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1436 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.9492e-44  Epoch 426/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1387 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.9492e-44  Epoch 427/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1355 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.9492e-44  Epoch 428/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1492 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.9492e-44  Epoch 429/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1196 - categorical\_accuracy: 0.9698 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.9492e-44  Epoch 430/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1313 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.9492e-44  Epoch 431/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1196 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.9492e-44  Epoch 432/2000  62/62 [==============================] - ETA: 0s - loss: 0.1323 - categorical\_accuracy: 0.9677  Epoch 00432: ReduceLROnPlateau reducing learning rate to 9.949219096706202e-45.  62/62 [==============================] - 6s 91ms/step - loss: 0.1323 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.9492e-44  Epoch 433/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1341 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.8091e-45  Epoch 434/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1493 - categorical\_accuracy: 0.9486 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.8091e-45  Epoch 435/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1449 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.8091e-45  Epoch 436/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1323 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.8091e-45  Epoch 437/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1395 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.8091e-45  Epoch 438/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1306 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.8091e-45  Epoch 439/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1483 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.8091e-45  Epoch 440/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1384 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.8091e-45  Epoch 441/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1326 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.8091e-45  Epoch 442/2000  62/62 [==============================] - ETA: 0s - loss: 0.1360 - categorical\_accuracy: 0.9647  Epoch 00442: ReduceLROnPlateau reducing learning rate to 9.80908925027372e-46.  62/62 [==============================] - 6s 93ms/step - loss: 0.1360 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 9.8091e-45  Epoch 443/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1313 - categorical\_accuracy: 0.9698 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.4013e-45  Epoch 444/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1239 - categorical\_accuracy: 0.9718 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.4013e-45  Epoch 445/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1306 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.4013e-45  Epoch 446/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1355 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.4013e-45  Epoch 447/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1433 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.4013e-45  Epoch 448/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1396 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.4013e-45  Epoch 449/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1372 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.4013e-45  Epoch 450/2000  61/62 [============================>.] - ETA: 0s - loss: 0.1263 - categorical\_accuracy: 0.9713INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0450.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0450.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTM object at 0x7f0603c3d350> has the same name 'LSTM' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTM'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7f05f0549390> has the same name 'LSTMCell' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTMCell'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  62/62 [==============================] - 9s 153ms/step - loss: 0.1250 - categorical\_accuracy: 0.9718 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.4013e-45  Epoch 451/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1480 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.4013e-45  Epoch 452/2000  62/62 [==============================] - ETA: 0s - loss: 0.1329 - categorical\_accuracy: 0.9617  Epoch 00452: ReduceLROnPlateau reducing learning rate to 1.4012984643248171e-46.  62/62 [==============================] - 6s 92ms/step - loss: 0.1329 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 1.4013e-45  Epoch 453/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1306 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 454/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1351 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 455/2000  62/62 [==============================] - 6s 96ms/step - loss: 0.1290 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 456/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1399 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 457/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1434 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 458/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1410 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 459/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1382 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 460/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1376 - categorical\_accuracy: 0.9698 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 461/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1277 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 462/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1359 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 463/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1329 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 464/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1330 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 465/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1408 - categorical\_accuracy: 0.9536 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 466/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1328 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 467/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1543 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 468/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1422 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 469/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1269 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 470/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1326 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 471/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1442 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 472/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1396 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 473/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1586 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 474/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1343 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 475/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1270 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 476/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1376 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 477/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1346 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 478/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1338 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 479/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1432 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 480/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1473 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 481/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1508 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 482/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1400 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 483/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1548 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 484/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1541 - categorical\_accuracy: 0.9516 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 485/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1374 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 486/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1307 - categorical\_accuracy: 0.9708 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 487/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1342 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 488/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1405 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 489/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1443 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 490/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1347 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 491/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1362 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 492/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1283 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 493/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1544 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 494/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1260 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 495/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1453 - categorical\_accuracy: 0.9536 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 496/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1403 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 497/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1390 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 498/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1409 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 499/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1364 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 500/2000  61/62 [============================>.] - ETA: 0s - loss: 0.1351 - categorical\_accuracy: 0.9611INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0500.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0500.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTM object at 0x7f0603c3d350> has the same name 'LSTM' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTM'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7f05f0549390> has the same name 'LSTMCell' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTMCell'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  62/62 [==============================] - 9s 151ms/step - loss: 0.1351 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 501/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1321 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 502/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1322 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 503/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1251 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 504/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1174 - categorical\_accuracy: 0.9698 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 505/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1339 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 506/2000  62/62 [==============================] - 6s 95ms/step - loss: 0.1368 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 507/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1280 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 508/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1427 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 509/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1376 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 510/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1254 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 511/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1470 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 512/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1434 - categorical\_accuracy: 0.9526 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 513/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1410 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 514/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1617 - categorical\_accuracy: 0.9536 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 515/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1404 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 516/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1388 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 517/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1354 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 518/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1370 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 519/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1281 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 520/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1401 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 521/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1443 - categorical\_accuracy: 0.9526 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 522/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1388 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 523/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1372 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 524/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1516 - categorical\_accuracy: 0.9476 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 525/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1335 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 526/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1494 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 527/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1257 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 528/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1352 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 529/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1411 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 530/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1412 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 531/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1398 - categorical\_accuracy: 0.9526 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 532/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1414 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 533/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1373 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 534/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1420 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 535/2000  62/62 [==============================] - 5s 88ms/step - loss: 0.1349 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 536/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1415 - categorical\_accuracy: 0.9698 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 537/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1391 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 538/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1396 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 539/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1440 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 540/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1523 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 541/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1433 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 542/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1251 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 543/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1381 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 544/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1576 - categorical\_accuracy: 0.9516 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 545/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1392 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 546/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1243 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 547/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1394 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 548/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1365 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 549/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1355 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 550/2000  61/62 [============================>.] - ETA: 0s - loss: 0.1463 - categorical\_accuracy: 0.9518INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0550.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0550.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTM object at 0x7f0603c3d350> has the same name 'LSTM' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTM'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7f05f0549390> has the same name 'LSTMCell' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTMCell'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  62/62 [==============================] - 9s 151ms/step - loss: 0.1488 - categorical\_accuracy: 0.9496 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 551/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1313 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 552/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1277 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 553/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1413 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 554/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1395 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 555/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1361 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 556/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1513 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 557/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1566 - categorical\_accuracy: 0.9516 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 558/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1256 - categorical\_accuracy: 0.9698 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 559/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1284 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 560/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1314 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 561/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1425 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 562/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1322 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 563/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1419 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 564/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1262 - categorical\_accuracy: 0.9718 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 565/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1310 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 566/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1336 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 567/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1330 - categorical\_accuracy: 0.9698 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 568/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1434 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 569/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1273 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 570/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1256 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 571/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1382 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 572/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1347 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 573/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1385 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 574/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1238 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 575/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1295 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 576/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1473 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 577/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1317 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 578/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1390 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 579/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1518 - categorical\_accuracy: 0.9466 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 580/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1463 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 581/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1382 - categorical\_accuracy: 0.9536 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 582/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1554 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 583/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1238 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 584/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1443 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 585/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1380 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 586/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1309 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 587/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1449 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 588/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1435 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 589/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1426 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 590/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1374 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 591/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1370 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 592/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1442 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 593/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1373 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 594/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1393 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 595/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1354 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 596/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1361 - categorical\_accuracy: 0.9728 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 597/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1466 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 598/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1388 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 599/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1352 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 600/2000  61/62 [============================>.] - ETA: 0s - loss: 0.1310 - categorical\_accuracy: 0.9631INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0600.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0600.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTM object at 0x7f0603c3d350> has the same name 'LSTM' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTM'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7f05f0549390> has the same name 'LSTMCell' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTMCell'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  62/62 [==============================] - 9s 146ms/step - loss: 0.1304 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 601/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1424 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 602/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1371 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 603/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1381 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 604/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1441 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 605/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1350 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 606/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1294 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 607/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1499 - categorical\_accuracy: 0.9536 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 608/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1386 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 609/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1276 - categorical\_accuracy: 0.9698 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 610/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1350 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 611/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1410 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 612/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1379 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 613/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1399 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 614/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1400 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 615/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1333 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 616/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1342 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 617/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1360 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 618/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1573 - categorical\_accuracy: 0.9486 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 619/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1368 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 620/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1515 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 621/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1352 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 622/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1359 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 623/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1339 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 624/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1510 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 625/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1391 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 626/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1331 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 627/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1344 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 628/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1428 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 629/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1389 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 630/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1232 - categorical\_accuracy: 0.9708 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 631/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1336 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 632/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1325 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 633/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1406 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 634/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1516 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 635/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1436 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 636/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1460 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 637/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1226 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 638/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1376 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 639/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1412 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 640/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1394 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 641/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1545 - categorical\_accuracy: 0.9526 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 642/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1347 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 643/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1445 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 644/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1243 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 645/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1386 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 646/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1495 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 647/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1387 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 648/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1367 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 649/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1335 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 650/2000  61/62 [============================>.] - ETA: 0s - loss: 0.1360 - categorical\_accuracy: 0.9641INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0650.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0650.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTM object at 0x7f0603c3d350> has the same name 'LSTM' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTM'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7f05f0549390> has the same name 'LSTMCell' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTMCell'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  62/62 [==============================] - 9s 153ms/step - loss: 0.1349 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 651/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1344 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 652/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1376 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 653/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1473 - categorical\_accuracy: 0.9536 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 654/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1415 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 655/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1415 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 656/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1455 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 657/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1344 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 658/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1490 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 659/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1520 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 660/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1328 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 661/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1352 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 662/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1407 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 663/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1293 - categorical\_accuracy: 0.9738 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 664/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1354 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 665/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1479 - categorical\_accuracy: 0.9526 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 666/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1316 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 667/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1435 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 668/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1369 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 669/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1370 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 670/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1399 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 671/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1350 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 672/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1425 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 673/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1340 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 674/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1530 - categorical\_accuracy: 0.9526 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 675/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1422 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 676/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1474 - categorical\_accuracy: 0.9526 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 677/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1296 - categorical\_accuracy: 0.9708 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 678/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1207 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 679/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1293 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 680/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1333 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 681/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1481 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 682/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1473 - categorical\_accuracy: 0.9476 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 683/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1413 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 684/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1471 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 685/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1405 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 686/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1532 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 687/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1266 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 688/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1362 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 689/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1390 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 690/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1237 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 691/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1282 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 692/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1337 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 693/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1366 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 694/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1423 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 695/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1385 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 696/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1476 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 697/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1397 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 698/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1333 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 699/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1549 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 700/2000  61/62 [============================>.] - ETA: 0s - loss: 0.1412 - categorical\_accuracy: 0.9631INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0700.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0700.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTM object at 0x7f0603c3d350> has the same name 'LSTM' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTM'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7f05f0549390> has the same name 'LSTMCell' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTMCell'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  62/62 [==============================] - 9s 150ms/step - loss: 0.1413 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 701/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1336 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 702/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1374 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 703/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1500 - categorical\_accuracy: 0.9496 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 704/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1365 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 705/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1519 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 706/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1327 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 707/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1286 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 708/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1286 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 709/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1437 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 710/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1325 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 711/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1375 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 712/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1317 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 713/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1314 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 714/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1397 - categorical\_accuracy: 0.9526 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 715/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1379 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 716/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1479 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 717/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1434 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 718/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1362 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 719/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1244 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 720/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1379 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 721/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1397 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 722/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1322 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 723/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1325 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 724/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1374 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 725/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1261 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 726/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1527 - categorical\_accuracy: 0.9496 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 727/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1360 - categorical\_accuracy: 0.9698 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 728/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1316 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 729/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1495 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 730/2000  62/62 [==============================] - 6s 95ms/step - loss: 0.1483 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 731/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1469 - categorical\_accuracy: 0.9536 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 732/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1249 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 733/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1335 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 734/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1517 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 735/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1370 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 736/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1544 - categorical\_accuracy: 0.9466 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 737/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1389 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 738/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1328 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 739/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1284 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 740/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1423 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 741/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1376 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 742/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1409 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 743/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1350 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 744/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1334 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 745/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1386 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 746/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1392 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 747/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1487 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 748/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1279 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 749/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1441 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 750/2000  61/62 [============================>.] - ETA: 0s - loss: 0.1364 - categorical\_accuracy: 0.9662INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0750.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0750.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTM object at 0x7f0603c3d350> has the same name 'LSTM' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTM'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7f05f0549390> has the same name 'LSTMCell' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTMCell'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  62/62 [==============================] - 9s 149ms/step - loss: 0.1355 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 751/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1328 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 752/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1292 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 753/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1300 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 754/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1459 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 755/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1341 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 756/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1343 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 757/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1382 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 758/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1222 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 759/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1378 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 760/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1381 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 761/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1356 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 762/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1234 - categorical\_accuracy: 0.9698 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 763/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1408 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 764/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1418 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 765/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1429 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 766/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1419 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 767/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1351 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 768/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1343 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 769/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1398 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 770/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1378 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 771/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1285 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 772/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1278 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 773/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1370 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 774/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1425 - categorical\_accuracy: 0.9536 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 775/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1315 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 776/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1404 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 777/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1339 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 778/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1303 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 779/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1386 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 780/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1369 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 781/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1440 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 782/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1373 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 783/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1509 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 784/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1379 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 785/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1384 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 786/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1443 - categorical\_accuracy: 0.9536 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 787/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1427 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 788/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1331 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 789/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1443 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 790/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1291 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 791/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1242 - categorical\_accuracy: 0.9698 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 792/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1333 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 793/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1508 - categorical\_accuracy: 0.9506 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 794/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1298 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 795/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1354 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 796/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1346 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 797/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1304 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 798/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1222 - categorical\_accuracy: 0.9728 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 799/2000  62/62 [==============================] - 6s 95ms/step - loss: 0.1317 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 800/2000  61/62 [============================>.] - ETA: 0s - loss: 0.1321 - categorical\_accuracy: 0.9600INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0800.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0800.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTM object at 0x7f0603c3d350> has the same name 'LSTM' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTM'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7f05f0549390> has the same name 'LSTMCell' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTMCell'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  62/62 [==============================] - 9s 153ms/step - loss: 0.1311 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 801/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1395 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 802/2000  62/62 [==============================] - 6s 95ms/step - loss: 0.1410 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 803/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1344 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 804/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1304 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 805/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1474 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 806/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1395 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 807/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1471 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 808/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1349 - categorical\_accuracy: 0.9698 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 809/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1380 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 810/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1374 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 811/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1426 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 812/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1403 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 813/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1355 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 814/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1287 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 815/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1346 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 816/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1241 - categorical\_accuracy: 0.9708 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 817/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1358 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 818/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1254 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 819/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1229 - categorical\_accuracy: 0.9728 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 820/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1351 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 821/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1357 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 822/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1320 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 823/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1293 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 824/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1425 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 825/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1413 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 826/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1448 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 827/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1404 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 828/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1375 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 829/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1341 - categorical\_accuracy: 0.9728 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 830/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1407 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 831/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1416 - categorical\_accuracy: 0.9526 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 832/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1285 - categorical\_accuracy: 0.9698 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 833/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1422 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 834/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1373 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 835/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1326 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 836/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1295 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 837/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1315 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 838/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1378 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 839/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1294 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 840/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1370 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 841/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1404 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 842/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1419 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 843/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1292 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 844/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1435 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 845/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1488 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 846/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1455 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 847/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1265 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 848/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1226 - categorical\_accuracy: 0.9698 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 849/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1450 - categorical\_accuracy: 0.9536 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 850/2000  61/62 [============================>.] - ETA: 0s - loss: 0.1318 - categorical\_accuracy: 0.9611INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0850.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0850.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTM object at 0x7f0603c3d350> has the same name 'LSTM' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTM'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7f05f0549390> has the same name 'LSTMCell' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTMCell'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  62/62 [==============================] - 9s 151ms/step - loss: 0.1306 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 851/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1434 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 852/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1301 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 853/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1400 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 854/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1542 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 855/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1455 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 856/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1390 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 857/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1427 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 858/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1320 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 859/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1471 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 860/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1423 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 861/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1356 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 862/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1272 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 863/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1356 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 864/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1314 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 865/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1530 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 866/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1395 - categorical\_accuracy: 0.9536 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 867/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1380 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 868/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1418 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 869/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1462 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 870/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1427 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 871/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1413 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 872/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1401 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 873/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1335 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 874/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1424 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 875/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1437 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 876/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1393 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 877/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1470 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 878/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1451 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 879/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1360 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 880/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1343 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 881/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1521 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 882/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1366 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 883/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1351 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 884/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1300 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 885/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1307 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 886/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1278 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 887/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1450 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 888/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1374 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 889/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1204 - categorical\_accuracy: 0.9728 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 890/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1323 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 891/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1301 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 892/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1327 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 893/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1325 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 894/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1226 - categorical\_accuracy: 0.9708 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 895/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1387 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 896/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1494 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 897/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1223 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 898/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1373 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 899/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1407 - categorical\_accuracy: 0.9526 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 900/2000  61/62 [============================>.] - ETA: 0s - loss: 0.1361 - categorical\_accuracy: 0.9611INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0900.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0900.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTM object at 0x7f0603c3d350> has the same name 'LSTM' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTM'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7f05f0549390> has the same name 'LSTMCell' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTMCell'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  62/62 [==============================] - 9s 147ms/step - loss: 0.1364 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 901/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1275 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 902/2000  62/62 [==============================] - 6s 95ms/step - loss: 0.1295 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 903/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1246 - categorical\_accuracy: 0.9708 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 904/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1591 - categorical\_accuracy: 0.9476 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 905/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1301 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 906/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1491 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 907/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1377 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 908/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1338 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 909/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1327 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 910/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1366 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 911/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1411 - categorical\_accuracy: 0.9536 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 912/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1348 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 913/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1312 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 914/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1479 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 915/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1299 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 916/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1474 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 917/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1290 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 918/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1415 - categorical\_accuracy: 0.9526 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 919/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1470 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 920/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1325 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 921/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1379 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 922/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1450 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 923/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1397 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 924/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1407 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 925/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1394 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 926/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1430 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 927/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1292 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 928/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1465 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 929/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1347 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 930/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1393 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 931/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1399 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 932/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1319 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 933/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1341 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 934/2000  62/62 [==============================] - 6s 95ms/step - loss: 0.1474 - categorical\_accuracy: 0.9516 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 935/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1258 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 936/2000  62/62 [==============================] - 6s 99ms/step - loss: 0.1335 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 937/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1379 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 938/2000  62/62 [==============================] - 6s 95ms/step - loss: 0.1394 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 939/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1285 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 940/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1402 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 941/2000  62/62 [==============================] - 6s 95ms/step - loss: 0.1445 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 942/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1289 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 943/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1185 - categorical\_accuracy: 0.9698 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 944/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1358 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 945/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1440 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 946/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1366 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 947/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1513 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 948/2000  62/62 [==============================] - 6s 95ms/step - loss: 0.1378 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 949/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1398 - categorical\_accuracy: 0.9526 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 950/2000  61/62 [============================>.] - ETA: 0s - loss: 0.1324 - categorical\_accuracy: 0.9580INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0950.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0950.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTM object at 0x7f0603c3d350> has the same name 'LSTM' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTM'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7f05f0549390> has the same name 'LSTMCell' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTMCell'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  62/62 [==============================] - 9s 153ms/step - loss: 0.1316 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 951/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1359 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 952/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1312 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 953/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1281 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 954/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1338 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 955/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1415 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 956/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1412 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 957/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1398 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 958/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1422 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 959/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1345 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 960/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1324 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 961/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1158 - categorical\_accuracy: 0.9718 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 962/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1376 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 963/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1313 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 964/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1331 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 965/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1350 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 966/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1319 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 967/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1424 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 968/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1218 - categorical\_accuracy: 0.9758 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 969/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1260 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 970/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1436 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 971/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1366 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 972/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1338 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 973/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1324 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 974/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1582 - categorical\_accuracy: 0.9536 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 975/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1271 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 976/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1350 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 977/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1340 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 978/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1221 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 979/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1437 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 980/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1544 - categorical\_accuracy: 0.9536 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 981/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1381 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 982/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1374 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 983/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1349 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 984/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1411 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 985/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1207 - categorical\_accuracy: 0.9698 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 986/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1394 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 987/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1385 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 988/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1288 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 989/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1422 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 990/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1461 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 991/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1450 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 992/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1223 - categorical\_accuracy: 0.9738 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 993/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1385 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 994/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1419 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 995/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1327 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 996/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1284 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 997/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1379 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 998/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1399 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 999/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1346 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1000/2000  61/62 [============================>.] - ETA: 0s - loss: 0.1342 - categorical\_accuracy: 0.9611INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-1000.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-1000.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTM object at 0x7f0603c3d350> has the same name 'LSTM' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTM'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7f05f0549390> has the same name 'LSTMCell' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTMCell'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  62/62 [==============================] - 10s 154ms/step - loss: 0.1332 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1001/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1265 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1002/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1259 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1003/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1476 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1004/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1409 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1005/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1402 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1006/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1494 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1007/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1207 - categorical\_accuracy: 0.9778 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1008/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1222 - categorical\_accuracy: 0.9718 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1009/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1370 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1010/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1392 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1011/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1425 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1012/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1245 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1013/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1473 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1014/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1327 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1015/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1454 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1016/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1559 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1017/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1389 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1018/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1390 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1019/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1287 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1020/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1279 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1021/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1468 - categorical\_accuracy: 0.9516 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1022/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1191 - categorical\_accuracy: 0.9758 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1023/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1400 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1024/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1353 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1025/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1248 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1026/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1431 - categorical\_accuracy: 0.9506 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1027/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1347 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1028/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1365 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1029/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1359 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1030/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1450 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1031/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1472 - categorical\_accuracy: 0.9536 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1032/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1468 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1033/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1352 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1034/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1516 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1035/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1560 - categorical\_accuracy: 0.9506 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1036/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1293 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1037/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1364 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1038/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1374 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1039/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1412 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1040/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1241 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1041/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1317 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1042/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1293 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1043/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1413 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1044/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1355 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1045/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1225 - categorical\_accuracy: 0.9718 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1046/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1351 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1047/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1417 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1048/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1373 - categorical\_accuracy: 0.9536 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1049/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1307 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1050/2000  61/62 [============================>.] - ETA: 0s - loss: 0.1372 - categorical\_accuracy: 0.9600INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-1050.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-1050.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTM object at 0x7f0603c3d350> has the same name 'LSTM' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTM'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7f05f0549390> has the same name 'LSTMCell' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTMCell'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  62/62 [==============================] - 9s 151ms/step - loss: 0.1385 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1051/2000  62/62 [==============================] - 6s 95ms/step - loss: 0.1405 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1052/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1225 - categorical\_accuracy: 0.9718 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1053/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1487 - categorical\_accuracy: 0.9496 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1054/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1396 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1055/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1363 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1056/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1333 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1057/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1300 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1058/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1410 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1059/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1482 - categorical\_accuracy: 0.9526 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1060/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1427 - categorical\_accuracy: 0.9536 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1061/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1332 - categorical\_accuracy: 0.9708 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1062/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1367 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1063/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1477 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1064/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1331 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1065/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1444 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1066/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1407 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1067/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1423 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1068/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1445 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1069/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1368 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1070/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1220 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1071/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1385 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1072/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1085 - categorical\_accuracy: 0.9738 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1073/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1374 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1074/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1312 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1075/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1358 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1076/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1412 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1077/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1545 - categorical\_accuracy: 0.9536 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1078/2000  62/62 [==============================] - 6s 95ms/step - loss: 0.1323 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1079/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1442 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1080/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1320 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1081/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1518 - categorical\_accuracy: 0.9526 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1082/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1482 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1083/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1359 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1084/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1400 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1085/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1514 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1086/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1456 - categorical\_accuracy: 0.9516 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1087/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1353 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1088/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1355 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1089/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1388 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1090/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1253 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1091/2000  62/62 [==============================] - 6s 95ms/step - loss: 0.1429 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1092/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1356 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1093/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1380 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1094/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1303 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1095/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1361 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1096/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1375 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1097/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1331 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1098/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1338 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1099/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1425 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1100/2000  61/62 [============================>.] - ETA: 0s - loss: 0.1424 - categorical\_accuracy: 0.9580INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-1100.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-1100.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTM object at 0x7f0603c3d350> has the same name 'LSTM' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTM'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7f05f0549390> has the same name 'LSTMCell' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTMCell'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  62/62 [==============================] - 9s 153ms/step - loss: 0.1423 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1101/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1478 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1102/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1330 - categorical\_accuracy: 0.9698 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1103/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1269 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1104/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1338 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1105/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1330 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1106/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1236 - categorical\_accuracy: 0.9698 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1107/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1287 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1108/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1345 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1109/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1337 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1110/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1457 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1111/2000  62/62 [==============================] - 6s 96ms/step - loss: 0.1205 - categorical\_accuracy: 0.9718 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1112/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1227 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1113/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1276 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1114/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1299 - categorical\_accuracy: 0.9698 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1115/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1321 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1116/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1418 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1117/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1397 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1118/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1290 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1119/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1371 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1120/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1385 - categorical\_accuracy: 0.9496 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1121/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1331 - categorical\_accuracy: 0.9728 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1122/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1374 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1123/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1331 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1124/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1374 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1125/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1357 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1126/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1371 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1127/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1491 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1128/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1351 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1129/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1388 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1130/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1285 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1131/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1320 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1132/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1288 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1133/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1382 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1134/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1449 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1135/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1226 - categorical\_accuracy: 0.9738 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1136/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1324 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1137/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1420 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1138/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1432 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1139/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1483 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1140/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1348 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1141/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1321 - categorical\_accuracy: 0.9698 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1142/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1339 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1143/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1362 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1144/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1393 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1145/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1241 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1146/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1409 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1147/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1376 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1148/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1349 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1149/2000  62/62 [==============================] - 6s 97ms/step - loss: 0.1397 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1150/2000  61/62 [============================>.] - ETA: 0s - loss: 0.1369 - categorical\_accuracy: 0.9600INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-1150.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-1150.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTM object at 0x7f0603c3d350> has the same name 'LSTM' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTM'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7f05f0549390> has the same name 'LSTMCell' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTMCell'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  62/62 [==============================] - 9s 152ms/step - loss: 0.1360 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1151/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1350 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1152/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1262 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1153/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1337 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1154/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1322 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1155/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1399 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1156/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1390 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1157/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1364 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1158/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1296 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1159/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1453 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1160/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1292 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1161/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1259 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1162/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1337 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1163/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1303 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1164/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1343 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1165/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1351 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1166/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1120 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1167/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1433 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1168/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1305 - categorical\_accuracy: 0.9698 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1169/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1361 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1170/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1382 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1171/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1463 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1172/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1410 - categorical\_accuracy: 0.9536 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1173/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1483 - categorical\_accuracy: 0.9516 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1174/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1314 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1175/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1299 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1176/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1295 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1177/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1378 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1178/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1306 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1179/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1374 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1180/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1313 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1181/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1449 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1182/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1373 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1183/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1488 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1184/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1290 - categorical\_accuracy: 0.9708 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1185/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1312 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1186/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1444 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1187/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1361 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1188/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1342 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1189/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1541 - categorical\_accuracy: 0.9526 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1190/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1316 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1191/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1455 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1192/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1304 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1193/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1359 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1194/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1249 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1195/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1528 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1196/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1458 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1197/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1546 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1198/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1294 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1199/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1239 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1200/2000  61/62 [============================>.] - ETA: 0s - loss: 0.1248 - categorical\_accuracy: 0.9672INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-1200.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-1200.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTM object at 0x7f0603c3d350> has the same name 'LSTM' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTM'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7f05f0549390> has the same name 'LSTMCell' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTMCell'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  62/62 [==============================] - 9s 153ms/step - loss: 0.1244 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1201/2000  62/62 [==============================] - 6s 95ms/step - loss: 0.1322 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1202/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1345 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1203/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1450 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1204/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1443 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1205/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1185 - categorical\_accuracy: 0.9748 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1206/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1248 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1207/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1368 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1208/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1237 - categorical\_accuracy: 0.9708 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1209/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1364 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1210/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1451 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1211/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1404 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1212/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1352 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1213/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1226 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1214/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1216 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1215/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1311 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1216/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1416 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1217/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1353 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1218/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1458 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1219/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1401 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1220/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1388 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1221/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1426 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1222/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1398 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1223/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1500 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1224/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1387 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1225/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1394 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1226/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1357 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1227/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1359 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1228/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1318 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1229/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1354 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1230/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1358 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1231/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1427 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1232/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1443 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1233/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1168 - categorical\_accuracy: 0.9708 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1234/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1383 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1235/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1237 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1236/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1364 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1237/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1284 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1238/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1323 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1239/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1410 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1240/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1451 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1241/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1379 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1242/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1323 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1243/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1433 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1244/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1312 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1245/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1270 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1246/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1429 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1247/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1373 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1248/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1395 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1249/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1376 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1250/2000  61/62 [============================>.] - ETA: 0s - loss: 0.1363 - categorical\_accuracy: 0.9600INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-1250.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-1250.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTM object at 0x7f0603c3d350> has the same name 'LSTM' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTM'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7f05f0549390> has the same name 'LSTMCell' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTMCell'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  62/62 [==============================] - 9s 146ms/step - loss: 0.1374 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1251/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1220 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1252/2000  62/62 [==============================] - 6s 95ms/step - loss: 0.1427 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1253/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1285 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1254/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1334 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1255/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1266 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1256/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1411 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1257/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1357 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1258/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1373 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1259/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1442 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1260/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1451 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1261/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1339 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1262/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1386 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1263/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1292 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1264/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1302 - categorical\_accuracy: 0.9728 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1265/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1510 - categorical\_accuracy: 0.9486 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1266/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1336 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1267/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1277 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1268/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1371 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1269/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1449 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1270/2000  62/62 [==============================] - 6s 95ms/step - loss: 0.1511 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1271/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1354 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1272/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1380 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1273/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1414 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1274/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1453 - categorical\_accuracy: 0.9536 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1275/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1525 - categorical\_accuracy: 0.9506 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1276/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1387 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1277/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1164 - categorical\_accuracy: 0.9708 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1278/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1482 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1279/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1391 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1280/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1225 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1281/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1344 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1282/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1443 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1283/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1393 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1759/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1572 - categorical\_accuracy: 0.9526 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1760/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1392 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1761/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1320 - categorical\_accuracy: 0.9718 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1762/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1442 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1763/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1313 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1764/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1470 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1765/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1315 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1766/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1292 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1767/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1371 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1768/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1326 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1769/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1382 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1770/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1329 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1771/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1219 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1772/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1359 - categorical\_accuracy: 0.9698 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1773/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1467 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1774/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1326 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1775/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1429 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1776/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1356 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1777/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1433 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1778/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1323 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1779/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1257 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1780/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1402 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1781/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1360 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1782/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1391 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1783/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1309 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1784/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1501 - categorical\_accuracy: 0.9536 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1785/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1239 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1786/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1290 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1787/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1380 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1788/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1430 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1789/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1526 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1790/2000  62/62 [==============================] - 6s 95ms/step - loss: 0.1441 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1791/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1343 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1792/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1366 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1793/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1439 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1794/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1394 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1795/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1304 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1796/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1388 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1797/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1436 - categorical\_accuracy: 0.9506 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1798/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1455 - categorical\_accuracy: 0.9496 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1799/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1264 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1800/2000  61/62 [============================>.] - ETA: 0s - loss: 0.1434 - categorical\_accuracy: 0.9570INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-1800.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-1800.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTM object at 0x7f0603c3d350> has the same name 'LSTM' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTM'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7f05f0549390> has the same name 'LSTMCell' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTMCell'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  62/62 [==============================] - 9s 150ms/step - loss: 0.1432 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1801/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1325 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1802/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1311 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1803/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1473 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1804/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1403 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1805/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1338 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1806/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1419 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1807/2000  62/62 [==============================] - 6s 96ms/step - loss: 0.1245 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1808/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1373 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1809/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1456 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1810/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1326 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1811/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1378 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1812/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1338 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1813/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1408 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1814/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1241 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1815/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1401 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1816/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1411 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1817/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1365 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1818/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1320 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1819/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1149 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1820/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1227 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1821/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1279 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1822/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1256 - categorical\_accuracy: 0.9718 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1823/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1255 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1824/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1351 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1825/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1554 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1826/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1309 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1827/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1372 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1828/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1363 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1829/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1388 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1830/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1336 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1831/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1333 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1832/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1332 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1833/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1326 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1834/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1251 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1835/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1301 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1836/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1360 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1837/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1348 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1838/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1337 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1839/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1378 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1840/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1392 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1841/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1354 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1842/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1374 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1843/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1207 - categorical\_accuracy: 0.9718 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1844/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1401 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1845/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1381 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1846/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1395 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1847/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1335 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1848/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1402 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1849/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1381 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1850/2000  61/62 [============================>.] - ETA: 0s - loss: 0.1148 - categorical\_accuracy: 0.9723INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-1850.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-1850.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTM object at 0x7f0603c3d350> has the same name 'LSTM' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTM'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7f05f0549390> has the same name 'LSTMCell' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTMCell'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  62/62 [==============================] - 9s 150ms/step - loss: 0.1143 - categorical\_accuracy: 0.9728 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1851/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1433 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1852/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1360 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1853/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1516 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1854/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1196 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1855/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1387 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1856/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1342 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1857/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1250 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1858/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1371 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1859/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1378 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1860/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1346 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1861/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1369 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1862/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1471 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1863/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1412 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1864/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1284 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1865/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1395 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1866/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1451 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1867/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1373 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1868/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1351 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1869/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1305 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1870/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1389 - categorical\_accuracy: 0.9536 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1871/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1443 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1872/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1556 - categorical\_accuracy: 0.9516 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1873/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1390 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1874/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1412 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1875/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1375 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1876/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1313 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1877/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1196 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1878/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1361 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1879/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1410 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1880/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1433 - categorical\_accuracy: 0.9506 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1881/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1363 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1882/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1460 - categorical\_accuracy: 0.9516 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1883/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1292 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1884/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1351 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1885/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1387 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1886/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1348 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1887/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1383 - categorical\_accuracy: 0.9536 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1888/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1358 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1889/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1277 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1890/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1341 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1891/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1575 - categorical\_accuracy: 0.9496 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1892/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1454 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1893/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1487 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1894/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1442 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1895/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1416 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1896/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1348 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1897/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1519 - categorical\_accuracy: 0.9526 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1898/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1419 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1899/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1420 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1900/2000  61/62 [============================>.] - ETA: 0s - loss: 0.1320 - categorical\_accuracy: 0.9611INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-1900.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-1900.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTM object at 0x7f0603c3d350> has the same name 'LSTM' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTM'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7f05f0549390> has the same name 'LSTMCell' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTMCell'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  62/62 [==============================] - 9s 148ms/step - loss: 0.1315 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1901/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1381 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1902/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1390 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1903/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1567 - categorical\_accuracy: 0.9496 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1904/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1432 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1905/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1244 - categorical\_accuracy: 0.9728 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1906/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1570 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1907/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1396 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1908/2000  62/62 [==============================] - 6s 96ms/step - loss: 0.1281 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1909/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1389 - categorical\_accuracy: 0.9688 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1910/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1266 - categorical\_accuracy: 0.9698 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1911/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1390 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1912/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1347 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1913/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1476 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1914/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1467 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1915/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1266 - categorical\_accuracy: 0.9728 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1916/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1473 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1917/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1289 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1918/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1442 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1919/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1433 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1920/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1486 - categorical\_accuracy: 0.9516 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1921/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1353 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1922/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1344 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1923/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1355 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1924/2000  62/62 [==============================] - 6s 95ms/step - loss: 0.1342 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1925/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1400 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1926/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1263 - categorical\_accuracy: 0.9708 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1927/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1287 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1928/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1417 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1929/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1414 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1930/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1395 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1931/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1286 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1932/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1213 - categorical\_accuracy: 0.9708 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1933/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1272 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1934/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1462 - categorical\_accuracy: 0.9556 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1935/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1313 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1936/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1191 - categorical\_accuracy: 0.9768 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1937/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1292 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1938/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1260 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1939/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1246 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1940/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1353 - categorical\_accuracy: 0.9526 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1941/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1227 - categorical\_accuracy: 0.9708 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1942/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1307 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1943/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1397 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1944/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1360 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1945/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1505 - categorical\_accuracy: 0.9536 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1946/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1414 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1947/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1370 - categorical\_accuracy: 0.9536 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1948/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1428 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1949/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1381 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1950/2000  61/62 [============================>.] - ETA: 0s - loss: 0.1318 - categorical\_accuracy: 0.9559INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-1950.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-1950.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTM object at 0x7f0603c3d350> has the same name 'LSTM' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTM'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7f05f0549390> has the same name 'LSTMCell' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTMCell'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  62/62 [==============================] - 9s 151ms/step - loss: 0.1313 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1951/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1484 - categorical\_accuracy: 0.9536 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1952/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1423 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1953/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1346 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1954/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1400 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1955/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1490 - categorical\_accuracy: 0.9526 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1956/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1334 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1957/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1481 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1958/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1289 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1959/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1400 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1960/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1413 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1961/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1293 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1962/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1485 - categorical\_accuracy: 0.9567 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1963/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1347 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1964/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1257 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1965/2000  62/62 [==============================] - 6s 89ms/step - loss: 0.1364 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1966/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1453 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1967/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1407 - categorical\_accuracy: 0.9617 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1968/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1212 - categorical\_accuracy: 0.9698 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1969/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1587 - categorical\_accuracy: 0.9486 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1970/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1430 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1971/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1265 - categorical\_accuracy: 0.9718 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1972/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1397 - categorical\_accuracy: 0.9546 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1973/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1384 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1974/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1262 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1975/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1490 - categorical\_accuracy: 0.9536 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1976/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1463 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1977/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1453 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1978/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1438 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1979/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1393 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1980/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1337 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1981/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1244 - categorical\_accuracy: 0.9698 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1982/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1493 - categorical\_accuracy: 0.9536 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1983/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1309 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1984/2000  62/62 [==============================] - 6s 94ms/step - loss: 0.1385 - categorical\_accuracy: 0.9577 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1985/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1271 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1986/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1370 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1987/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1363 - categorical\_accuracy: 0.9657 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1988/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1426 - categorical\_accuracy: 0.9587 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1989/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1331 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1990/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1287 - categorical\_accuracy: 0.9677 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1991/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1359 - categorical\_accuracy: 0.9607 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1992/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1300 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1993/2000  62/62 [==============================] - 6s 90ms/step - loss: 0.1309 - categorical\_accuracy: 0.9627 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1994/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1295 - categorical\_accuracy: 0.9698 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1995/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1384 - categorical\_accuracy: 0.9647 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1996/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1320 - categorical\_accuracy: 0.9718 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1997/2000  62/62 [==============================] - 6s 92ms/step - loss: 0.1315 - categorical\_accuracy: 0.9637 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1998/2000  62/62 [==============================] - 6s 93ms/step - loss: 0.1384 - categorical\_accuracy: 0.9667 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 1999/2000  62/62 [==============================] - 6s 91ms/step - loss: 0.1321 - categorical\_accuracy: 0.9597 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  Epoch 2000/2000  61/62 [============================>.] - ETA: 0s - loss: 0.1427 - categorical\_accuracy: 0.9498INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-2000.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-2000.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTM object at 0x7f0603c3d350> has the same name 'LSTM' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTM'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7f05f0549390> has the same name 'LSTMCell' as a built-in Keras object. Consider renaming <class 'keras.layers.recurrent.LSTMCell'> to avoid naming conflicts when loading with `tf.keras.models.load\_model`. If renaming is not possible, pass the object in the `custom\_objects` parameter of the load function.  62/62 [==============================] - 10s 156ms/step - loss: 0.1422 - categorical\_accuracy: 0.9496 - val\_loss: 0.6822 - val\_categorical\_accuracy: 0.8542 - lr: 0.0000e+00  <keras.callbacks.History at 0x7f05f0496e10> |
| --- |