Training log on 30\_70\_100 with learnrate 0.00001 and drop rate 0.4

| Epoch 1/500  83/83 [==============================] - 467s 6s/step - loss: 1.5840 - categorical\_accuracy: 0.2605 - val\_loss: 1.5307 - val\_categorical\_accuracy: 0.3125 - lr: 1.0000e-05  Epoch 2/500  83/83 [==============================] - 7s 82ms/step - loss: 1.5418 - categorical\_accuracy: 0.2974 - val\_loss: 1.4884 - val\_categorical\_accuracy: 0.3611 - lr: 1.0000e-05  Epoch 3/500  83/83 [==============================] - 7s 82ms/step - loss: 1.5099 - categorical\_accuracy: 0.3215 - val\_loss: 1.4502 - val\_categorical\_accuracy: 0.3819 - lr: 1.0000e-05  Epoch 4/500  83/83 [==============================] - 7s 84ms/step - loss: 1.4856 - categorical\_accuracy: 0.3539 - val\_loss: 1.4190 - val\_categorical\_accuracy: 0.4444 - lr: 1.0000e-05  Epoch 5/500  83/83 [==============================] - 7s 82ms/step - loss: 1.4514 - categorical\_accuracy: 0.3878 - val\_loss: 1.3825 - val\_categorical\_accuracy: 0.4722 - lr: 1.0000e-05  Epoch 6/500  83/83 [==============================] - 7s 82ms/step - loss: 1.4202 - categorical\_accuracy: 0.4217 - val\_loss: 1.3423 - val\_categorical\_accuracy: 0.4931 - lr: 1.0000e-05  Epoch 7/500  83/83 [==============================] - 7s 82ms/step - loss: 1.3887 - categorical\_accuracy: 0.4360 - val\_loss: 1.2971 - val\_categorical\_accuracy: 0.5417 - lr: 1.0000e-05  Epoch 8/500  83/83 [==============================] - 7s 84ms/step - loss: 1.3212 - categorical\_accuracy: 0.4804 - val\_loss: 1.2441 - val\_categorical\_accuracy: 0.5625 - lr: 1.0000e-05  Epoch 9/500  83/83 [==============================] - 7s 83ms/step - loss: 1.2785 - categorical\_accuracy: 0.5143 - val\_loss: 1.1885 - val\_categorical\_accuracy: 0.6042 - lr: 1.0000e-05  Epoch 10/500  82/83 [============================>.] - ETA: 0s - loss: 1.2445 - categorical\_accuracy: 0.5099INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0010.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0010.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - 11s 129ms/step - loss: 1.2436 - categorical\_accuracy: 0.5105 - val\_loss: 1.1479 - val\_categorical\_accuracy: 0.5972 - lr: 1.0000e-05  Epoch 11/500  83/83 [==============================] - 7s 84ms/step - loss: 1.1699 - categorical\_accuracy: 0.5452 - val\_loss: 1.1120 - val\_categorical\_accuracy: 0.6042 - lr: 1.0000e-05  Epoch 12/500  83/83 [==============================] - 7s 84ms/step - loss: 1.1175 - categorical\_accuracy: 0.5655 - val\_loss: 1.0674 - val\_categorical\_accuracy: 0.6250 - lr: 1.0000e-05  Epoch 13/500  83/83 [==============================] - 7s 83ms/step - loss: 1.0545 - categorical\_accuracy: 0.5843 - val\_loss: 1.0202 - val\_categorical\_accuracy: 0.6389 - lr: 1.0000e-05  Epoch 14/500  83/83 [==============================] - 7s 84ms/step - loss: 0.9926 - categorical\_accuracy: 0.6190 - val\_loss: 0.9976 - val\_categorical\_accuracy: 0.6597 - lr: 1.0000e-05  Epoch 15/500  83/83 [==============================] - 7s 85ms/step - loss: 0.9472 - categorical\_accuracy: 0.6514 - val\_loss: 0.9528 - val\_categorical\_accuracy: 0.6528 - lr: 1.0000e-05  Epoch 16/500  83/83 [==============================] - 7s 84ms/step - loss: 0.8669 - categorical\_accuracy: 0.6724 - val\_loss: 0.9316 - val\_categorical\_accuracy: 0.6528 - lr: 1.0000e-05  Epoch 17/500  83/83 [==============================] - 7s 84ms/step - loss: 0.8283 - categorical\_accuracy: 0.7003 - val\_loss: 0.8918 - val\_categorical\_accuracy: 0.6736 - lr: 1.0000e-05  Epoch 18/500  83/83 [==============================] - 7s 83ms/step - loss: 0.7870 - categorical\_accuracy: 0.7169 - val\_loss: 0.8960 - val\_categorical\_accuracy: 0.6667 - lr: 1.0000e-05  Epoch 19/500  83/83 [==============================] - 7s 84ms/step - loss: 0.7367 - categorical\_accuracy: 0.7470 - val\_loss: 0.8898 - val\_categorical\_accuracy: 0.6875 - lr: 1.0000e-05  Epoch 20/500  82/83 [============================>.] - ETA: 0s - loss: 0.6975 - categorical\_accuracy: 0.7500INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0020.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0020.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - 10s 126ms/step - loss: 0.6958 - categorical\_accuracy: 0.7508 - val\_loss: 0.8792 - val\_categorical\_accuracy: 0.6667 - lr: 1.0000e-05  Epoch 21/500  83/83 [==============================] - 7s 84ms/step - loss: 0.6302 - categorical\_accuracy: 0.7681 - val\_loss: 0.8551 - val\_categorical\_accuracy: 0.6806 - lr: 1.0000e-05  Epoch 22/500  83/83 [==============================] - 7s 85ms/step - loss: 0.6095 - categorical\_accuracy: 0.7711 - val\_loss: 0.8532 - val\_categorical\_accuracy: 0.7153 - lr: 1.0000e-05  Epoch 23/500  83/83 [==============================] - 7s 84ms/step - loss: 0.5659 - categorical\_accuracy: 0.7982 - val\_loss: 0.7994 - val\_categorical\_accuracy: 0.7431 - lr: 1.0000e-05  Epoch 24/500  83/83 [==============================] - 7s 84ms/step - loss: 0.5083 - categorical\_accuracy: 0.8253 - val\_loss: 0.7900 - val\_categorical\_accuracy: 0.7639 - lr: 1.0000e-05  Epoch 25/500  83/83 [==============================] - 7s 83ms/step - loss: 0.4989 - categorical\_accuracy: 0.8208 - val\_loss: 0.8184 - val\_categorical\_accuracy: 0.7569 - lr: 1.0000e-05  Epoch 26/500  83/83 [==============================] - 7s 83ms/step - loss: 0.4651 - categorical\_accuracy: 0.8449 - val\_loss: 0.8053 - val\_categorical\_accuracy: 0.7500 - lr: 1.0000e-05  Epoch 27/500  83/83 [==============================] - 7s 84ms/step - loss: 0.4145 - categorical\_accuracy: 0.8471 - val\_loss: 0.8130 - val\_categorical\_accuracy: 0.7639 - lr: 1.0000e-05  Epoch 28/500  83/83 [==============================] - 7s 85ms/step - loss: 0.3972 - categorical\_accuracy: 0.8599 - val\_loss: 0.8035 - val\_categorical\_accuracy: 0.7569 - lr: 1.0000e-05  Epoch 29/500  83/83 [==============================] - 7s 83ms/step - loss: 0.3814 - categorical\_accuracy: 0.8652 - val\_loss: 0.7949 - val\_categorical\_accuracy: 0.7708 - lr: 1.0000e-05  Epoch 30/500  82/83 [============================>.] - ETA: 0s - loss: 0.3690 - categorical\_accuracy: 0.8651INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0030.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0030.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - 10s 126ms/step - loss: 0.3663 - categorical\_accuracy: 0.8660 - val\_loss: 0.7355 - val\_categorical\_accuracy: 0.7639 - lr: 1.0000e-05  Epoch 31/500  83/83 [==============================] - 7s 83ms/step - loss: 0.3543 - categorical\_accuracy: 0.8803 - val\_loss: 0.7534 - val\_categorical\_accuracy: 0.7708 - lr: 1.0000e-05  Epoch 32/500  83/83 [==============================] - 7s 85ms/step - loss: 0.3143 - categorical\_accuracy: 0.8931 - val\_loss: 0.8006 - val\_categorical\_accuracy: 0.7569 - lr: 1.0000e-05  Epoch 33/500  83/83 [==============================] - 7s 83ms/step - loss: 0.2994 - categorical\_accuracy: 0.8968 - val\_loss: 0.7895 - val\_categorical\_accuracy: 0.7986 - lr: 1.0000e-05  Epoch 34/500  83/83 [==============================] - 7s 83ms/step - loss: 0.2587 - categorical\_accuracy: 0.9119 - val\_loss: 0.7904 - val\_categorical\_accuracy: 0.7847 - lr: 1.0000e-05  Epoch 35/500  83/83 [==============================] - 7s 83ms/step - loss: 0.2712 - categorical\_accuracy: 0.9044 - val\_loss: 0.7525 - val\_categorical\_accuracy: 0.7986 - lr: 1.0000e-05  Epoch 36/500  83/83 [==============================] - 7s 83ms/step - loss: 0.2473 - categorical\_accuracy: 0.9111 - val\_loss: 0.6859 - val\_categorical\_accuracy: 0.8056 - lr: 1.0000e-05  Epoch 37/500  83/83 [==============================] - 7s 84ms/step - loss: 0.2175 - categorical\_accuracy: 0.9255 - val\_loss: 0.8144 - val\_categorical\_accuracy: 0.8056 - lr: 1.0000e-05  Epoch 38/500  83/83 [==============================] - 7s 83ms/step - loss: 0.2286 - categorical\_accuracy: 0.9149 - val\_loss: 0.8267 - val\_categorical\_accuracy: 0.7847 - lr: 1.0000e-05  Epoch 39/500  83/83 [==============================] - 7s 83ms/step - loss: 0.2025 - categorical\_accuracy: 0.9255 - val\_loss: 0.7698 - val\_categorical\_accuracy: 0.7917 - lr: 1.0000e-05  Epoch 40/500  82/83 [============================>.] - ETA: 0s - loss: 0.2046 - categorical\_accuracy: 0.9276INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0040.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0040.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - 11s 127ms/step - loss: 0.2028 - categorical\_accuracy: 0.9285 - val\_loss: 0.6738 - val\_categorical\_accuracy: 0.8125 - lr: 1.0000e-05  Epoch 41/500  83/83 [==============================] - 7s 85ms/step - loss: 0.1854 - categorical\_accuracy: 0.9360 - val\_loss: 0.7230 - val\_categorical\_accuracy: 0.8125 - lr: 1.0000e-05  Epoch 42/500  83/83 [==============================] - 7s 84ms/step - loss: 0.1642 - categorical\_accuracy: 0.9465 - val\_loss: 0.6897 - val\_categorical\_accuracy: 0.8264 - lr: 1.0000e-05  Epoch 43/500  83/83 [==============================] - 7s 84ms/step - loss: 0.1690 - categorical\_accuracy: 0.9473 - val\_loss: 0.7113 - val\_categorical\_accuracy: 0.8194 - lr: 1.0000e-05  Epoch 44/500  83/83 [==============================] - 7s 84ms/step - loss: 0.1829 - categorical\_accuracy: 0.9428 - val\_loss: 0.6843 - val\_categorical\_accuracy: 0.8611 - lr: 1.0000e-05  Epoch 45/500  83/83 [==============================] - 7s 85ms/step - loss: 0.1614 - categorical\_accuracy: 0.9458 - val\_loss: 0.7168 - val\_categorical\_accuracy: 0.8264 - lr: 1.0000e-05  Epoch 46/500  83/83 [==============================] - 7s 83ms/step - loss: 0.1631 - categorical\_accuracy: 0.9435 - val\_loss: 0.6864 - val\_categorical\_accuracy: 0.8472 - lr: 1.0000e-05  Epoch 47/500  83/83 [==============================] - 7s 83ms/step - loss: 0.1360 - categorical\_accuracy: 0.9586 - val\_loss: 0.6767 - val\_categorical\_accuracy: 0.8333 - lr: 1.0000e-05  Epoch 48/500  83/83 [==============================] - 7s 84ms/step - loss: 0.1263 - categorical\_accuracy: 0.9654 - val\_loss: 0.7057 - val\_categorical\_accuracy: 0.8472 - lr: 1.0000e-05  Epoch 49/500  83/83 [==============================] - 7s 84ms/step - loss: 0.1391 - categorical\_accuracy: 0.9495 - val\_loss: 0.6108 - val\_categorical\_accuracy: 0.8472 - lr: 1.0000e-05  Epoch 50/500  82/83 [============================>.] - ETA: 0s - loss: 0.1293 - categorical\_accuracy: 0.9550INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0050.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0050.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - 10s 124ms/step - loss: 0.1281 - categorical\_accuracy: 0.9556 - val\_loss: 0.6043 - val\_categorical\_accuracy: 0.8264 - lr: 1.0000e-05  Epoch 51/500  83/83 [==============================] - 7s 84ms/step - loss: 0.1067 - categorical\_accuracy: 0.9654 - val\_loss: 0.6394 - val\_categorical\_accuracy: 0.8472 - lr: 1.0000e-05  Epoch 52/500  83/83 [==============================] - 7s 85ms/step - loss: 0.1254 - categorical\_accuracy: 0.9616 - val\_loss: 0.6961 - val\_categorical\_accuracy: 0.8472 - lr: 1.0000e-05  Epoch 53/500  83/83 [==============================] - 7s 84ms/step - loss: 0.1022 - categorical\_accuracy: 0.9714 - val\_loss: 0.6702 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-05  Epoch 54/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0975 - categorical\_accuracy: 0.9714 - val\_loss: 0.7279 - val\_categorical\_accuracy: 0.8472 - lr: 1.0000e-05  Epoch 55/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0930 - categorical\_accuracy: 0.9736 - val\_loss: 0.6821 - val\_categorical\_accuracy: 0.8472 - lr: 1.0000e-05  Epoch 56/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0924 - categorical\_accuracy: 0.9706 - val\_loss: 0.6969 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-05  Epoch 57/500  83/83 [==============================] - 7s 84ms/step - loss: 0.1115 - categorical\_accuracy: 0.9631 - val\_loss: 0.7985 - val\_categorical\_accuracy: 0.8333 - lr: 1.0000e-05  Epoch 58/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0984 - categorical\_accuracy: 0.9721 - val\_loss: 0.7263 - val\_categorical\_accuracy: 0.8542 - lr: 1.0000e-05  Epoch 59/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0916 - categorical\_accuracy: 0.9706 - val\_loss: 0.7288 - val\_categorical\_accuracy: 0.8333 - lr: 1.0000e-05  Epoch 60/500  82/83 [============================>.] - ETA: 0s - loss: 0.0817 - categorical\_accuracy: 0.9688INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0060.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0060.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0812 - categorical\_accuracy: 0.9691  Epoch 00060: ReduceLROnPlateau reducing learning rate to 9.999999747378752e-07.  83/83 [==============================] - 11s 129ms/step - loss: 0.0812 - categorical\_accuracy: 0.9691 - val\_loss: 0.7499 - val\_categorical\_accuracy: 0.8472 - lr: 1.0000e-05  Epoch 61/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0916 - categorical\_accuracy: 0.9729 - val\_loss: 0.7412 - val\_categorical\_accuracy: 0.8819 - lr: 1.0000e-06  Epoch 62/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0816 - categorical\_accuracy: 0.9789 - val\_loss: 0.7288 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-06  Epoch 63/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0636 - categorical\_accuracy: 0.9789 - val\_loss: 0.7359 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-06  Epoch 64/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0759 - categorical\_accuracy: 0.9782 - val\_loss: 0.7285 - val\_categorical\_accuracy: 0.8819 - lr: 1.0000e-06  Epoch 65/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0543 - categorical\_accuracy: 0.9880 - val\_loss: 0.7166 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-06  Epoch 66/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0578 - categorical\_accuracy: 0.9849 - val\_loss: 0.7207 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-06  Epoch 67/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0594 - categorical\_accuracy: 0.9857 - val\_loss: 0.7446 - val\_categorical\_accuracy: 0.8611 - lr: 1.0000e-06  Epoch 68/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0477 - categorical\_accuracy: 0.9880 - val\_loss: 0.7216 - val\_categorical\_accuracy: 0.8611 - lr: 1.0000e-06  Epoch 69/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0606 - categorical\_accuracy: 0.9782 - val\_loss: 0.7513 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-06  Epoch 70/500  82/83 [============================>.] - ETA: 0s - loss: 0.0529 - categorical\_accuracy: 0.9870INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0070.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0070.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0524 - categorical\_accuracy: 0.9872  Epoch 00070: ReduceLROnPlateau reducing learning rate to 9.999999974752428e-08.  83/83 [==============================] - 10s 125ms/step - loss: 0.0524 - categorical\_accuracy: 0.9872 - val\_loss: 0.7214 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-06  Epoch 71/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0594 - categorical\_accuracy: 0.9834 - val\_loss: 0.7246 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-07  Epoch 72/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0564 - categorical\_accuracy: 0.9857 - val\_loss: 0.7251 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-07  Epoch 73/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0591 - categorical\_accuracy: 0.9797 - val\_loss: 0.7259 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-07  Epoch 74/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0595 - categorical\_accuracy: 0.9834 - val\_loss: 0.7283 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-07  Epoch 75/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0468 - categorical\_accuracy: 0.9910 - val\_loss: 0.7331 - val\_categorical\_accuracy: 0.8750 - lr: 1.0000e-07  Epoch 76/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0569 - categorical\_accuracy: 0.9849 - val\_loss: 0.7350 - val\_categorical\_accuracy: 0.8750 - lr: 1.0000e-07  Epoch 77/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0512 - categorical\_accuracy: 0.9864 - val\_loss: 0.7356 - val\_categorical\_accuracy: 0.8750 - lr: 1.0000e-07  Epoch 78/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0575 - categorical\_accuracy: 0.9819 - val\_loss: 0.7364 - val\_categorical\_accuracy: 0.8750 - lr: 1.0000e-07  Epoch 79/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0437 - categorical\_accuracy: 0.9902 - val\_loss: 0.7373 - val\_categorical\_accuracy: 0.8750 - lr: 1.0000e-07  Epoch 80/500  82/83 [============================>.] - ETA: 0s - loss: 0.0598 - categorical\_accuracy: 0.9779INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0080.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0080.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0600 - categorical\_accuracy: 0.9774  Epoch 00080: ReduceLROnPlateau reducing learning rate to 1.0000000116860975e-08.  83/83 [==============================] - 11s 128ms/step - loss: 0.0600 - categorical\_accuracy: 0.9774 - val\_loss: 0.7453 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-07  Epoch 81/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0560 - categorical\_accuracy: 0.9827 - val\_loss: 0.7452 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-08  Epoch 82/500  83/83 [==============================] - 7s 86ms/step - loss: 0.0559 - categorical\_accuracy: 0.9834 - val\_loss: 0.7452 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-08  Epoch 83/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0560 - categorical\_accuracy: 0.9797 - val\_loss: 0.7451 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-08  Epoch 84/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0535 - categorical\_accuracy: 0.9864 - val\_loss: 0.7452 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-08  Epoch 85/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0600 - categorical\_accuracy: 0.9834 - val\_loss: 0.7447 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-08  Epoch 86/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0511 - categorical\_accuracy: 0.9864 - val\_loss: 0.7450 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-08  Epoch 87/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0563 - categorical\_accuracy: 0.9872 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-08  Epoch 88/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0615 - categorical\_accuracy: 0.9834 - val\_loss: 0.7449 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-08  Epoch 89/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0568 - categorical\_accuracy: 0.9834 - val\_loss: 0.7451 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-08  Epoch 90/500  82/83 [============================>.] - ETA: 0s - loss: 0.0462 - categorical\_accuracy: 0.9909INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0090.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0090.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0463 - categorical\_accuracy: 0.9910  Epoch 00090: ReduceLROnPlateau reducing learning rate to 9.999999939225292e-10.  83/83 [==============================] - 10s 123ms/step - loss: 0.0463 - categorical\_accuracy: 0.9910 - val\_loss: 0.7449 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-08  Epoch 91/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0520 - categorical\_accuracy: 0.9849 - val\_loss: 0.7449 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-09  Epoch 92/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0568 - categorical\_accuracy: 0.9842 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-09  Epoch 93/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0557 - categorical\_accuracy: 0.9880 - val\_loss: 0.7449 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-09  Epoch 94/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0481 - categorical\_accuracy: 0.9864 - val\_loss: 0.7449 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-09  Epoch 95/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0554 - categorical\_accuracy: 0.9842 - val\_loss: 0.7449 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-09  Epoch 96/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0625 - categorical\_accuracy: 0.9812 - val\_loss: 0.7449 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-09  Epoch 97/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0557 - categorical\_accuracy: 0.9842 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-09  Epoch 98/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0588 - categorical\_accuracy: 0.9842 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-09  Epoch 99/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0668 - categorical\_accuracy: 0.9789 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-09  Epoch 100/500  82/83 [============================>.] - ETA: 0s - loss: 0.0529 - categorical\_accuracy: 0.9863INFO: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.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0525 - categorical\_accuracy: 0.9864  Epoch 00100: ReduceLROnPlateau reducing learning rate to 9.999999717180686e-11.  83/83 [==============================] - 11s 129ms/step - loss: 0.0525 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-09  Epoch 101/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0550 - categorical\_accuracy: 0.9819 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-10  Epoch 102/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0498 - categorical\_accuracy: 0.9880 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-10  Epoch 103/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0492 - categorical\_accuracy: 0.9880 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-10  Epoch 104/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0609 - categorical\_accuracy: 0.9812 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-10  Epoch 105/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0502 - categorical\_accuracy: 0.9887 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-10  Epoch 106/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0535 - categorical\_accuracy: 0.9872 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-10  Epoch 107/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0544 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-10  Epoch 108/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0575 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-10  Epoch 109/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0548 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-10  Epoch 110/500  82/83 [============================>.] - ETA: 0s - loss: 0.0639 - categorical\_accuracy: 0.9848INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0110.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0110.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0637 - categorical\_accuracy: 0.9849  Epoch 00110: ReduceLROnPlateau reducing learning rate to 9.99999943962493e-12.  83/83 [==============================] - 10s 123ms/step - loss: 0.0637 - categorical\_accuracy: 0.9849 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-10  Epoch 111/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0573 - categorical\_accuracy: 0.9827 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-11  Epoch 112/500  83/83 [==============================] - 7s 86ms/step - loss: 0.0550 - categorical\_accuracy: 0.9842 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-11  Epoch 113/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0564 - categorical\_accuracy: 0.9849 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-11  Epoch 114/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0521 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-11  Epoch 115/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0534 - categorical\_accuracy: 0.9842 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-11  Epoch 116/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0561 - categorical\_accuracy: 0.9902 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-11  Epoch 117/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0589 - categorical\_accuracy: 0.9819 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-11  Epoch 118/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0581 - categorical\_accuracy: 0.9842 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-11  Epoch 119/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0618 - categorical\_accuracy: 0.9804 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-11  Epoch 120/500  82/83 [============================>.] - ETA: 0s - loss: 0.0556 - categorical\_accuracy: 0.9863INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0120.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0120.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0552 - categorical\_accuracy: 0.9864  Epoch 00120: ReduceLROnPlateau reducing learning rate to 9.999999092680235e-13.  83/83 [==============================] - 11s 128ms/step - loss: 0.0552 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-11  Epoch 121/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0604 - categorical\_accuracy: 0.9842 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-12  Epoch 122/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0625 - categorical\_accuracy: 0.9819 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-12  Epoch 123/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0592 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-12  Epoch 124/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0509 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-12  Epoch 125/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0607 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-12  Epoch 126/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0566 - categorical\_accuracy: 0.9842 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-12  Epoch 127/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0573 - categorical\_accuracy: 0.9819 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-12  Epoch 128/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0568 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-12  Epoch 129/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0532 - categorical\_accuracy: 0.9880 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-12  Epoch 130/500  82/83 [============================>.] - ETA: 0s - loss: 0.0521 - categorical\_accuracy: 0.9848INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0130.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0130.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0517 - categorical\_accuracy: 0.9849  Epoch 00130: ReduceLROnPlateau reducing learning rate to 9.9999988758398e-14.  83/83 [==============================] - 10s 124ms/step - loss: 0.0517 - categorical\_accuracy: 0.9849 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-12  Epoch 131/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0588 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-13  Epoch 132/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0518 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-13  Epoch 133/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0575 - categorical\_accuracy: 0.9842 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-13  Epoch 134/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0516 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-13  Epoch 135/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0624 - categorical\_accuracy: 0.9827 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-13  Epoch 136/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0486 - categorical\_accuracy: 0.9880 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-13  Epoch 137/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0508 - categorical\_accuracy: 0.9895 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-13  Epoch 138/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0531 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-13  Epoch 139/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0551 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-13  Epoch 140/500  82/83 [============================>.] - ETA: 0s - loss: 0.0513 - categorical\_accuracy: 0.9832INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0140.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0140.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0509 - categorical\_accuracy: 0.9834  Epoch 00140: ReduceLROnPlateau reducing learning rate to 9.999999146890344e-15.  83/83 [==============================] - 11s 129ms/step - loss: 0.0509 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-13  Epoch 141/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0533 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-14  Epoch 142/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0542 - categorical\_accuracy: 0.9872 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-14  Epoch 143/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0644 - categorical\_accuracy: 0.9819 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-14  Epoch 144/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0590 - categorical\_accuracy: 0.9827 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-14  Epoch 145/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0496 - categorical\_accuracy: 0.9910 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-14  Epoch 146/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0603 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-14  Epoch 147/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0490 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-14  Epoch 148/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0558 - categorical\_accuracy: 0.9827 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-14  Epoch 149/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0613 - categorical\_accuracy: 0.9812 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-14  Epoch 150/500  82/83 [============================>.] - ETA: 0s - loss: 0.0526 - categorical\_accuracy: 0.9863INFO: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.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0528 - categorical\_accuracy: 0.9864  Epoch 00150: ReduceLROnPlateau reducing learning rate to 9.999998977483753e-16.  83/83 [==============================] - 10s 123ms/step - loss: 0.0528 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-14  Epoch 151/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0553 - categorical\_accuracy: 0.9849 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-15  Epoch 152/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0517 - categorical\_accuracy: 0.9849 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-15  Epoch 153/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0483 - categorical\_accuracy: 0.9887 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-15  Epoch 154/500  83/83 [==============================] - 7s 87ms/step - loss: 0.0557 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-15  Epoch 155/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0495 - categorical\_accuracy: 0.9872 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-15  Epoch 156/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0493 - categorical\_accuracy: 0.9872 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-15  Epoch 157/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0579 - categorical\_accuracy: 0.9849 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-15  Epoch 158/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0520 - categorical\_accuracy: 0.9895 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-15  Epoch 159/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0535 - categorical\_accuracy: 0.9849 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-15  Epoch 160/500  82/83 [============================>.] - ETA: 0s - loss: 0.0649 - categorical\_accuracy: 0.9802INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0160.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0160.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0644 - categorical\_accuracy: 0.9804  Epoch 00160: ReduceLROnPlateau reducing learning rate to 9.999998977483754e-17.  83/83 [==============================] - 11s 127ms/step - loss: 0.0644 - categorical\_accuracy: 0.9804 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-15  Epoch 161/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0555 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-16  Epoch 162/500  83/83 [==============================] - 7s 86ms/step - loss: 0.0595 - categorical\_accuracy: 0.9812 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-16  Epoch 163/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0518 - categorical\_accuracy: 0.9887 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-16  Epoch 164/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0549 - categorical\_accuracy: 0.9827 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-16  Epoch 165/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0618 - categorical\_accuracy: 0.9819 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-16  Epoch 166/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0558 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-16  Epoch 167/500  83/83 [==============================] - 7s 86ms/step - loss: 0.0532 - categorical\_accuracy: 0.9895 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-16  Epoch 168/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0573 - categorical\_accuracy: 0.9827 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-16  Epoch 169/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0613 - categorical\_accuracy: 0.9819 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-16  Epoch 170/500  82/83 [============================>.] - ETA: 0s - loss: 0.0619 - categorical\_accuracy: 0.9832INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0170.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0170.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0617 - categorical\_accuracy: 0.9834  Epoch 00170: ReduceLROnPlateau reducing learning rate to 9.999998845134856e-18.  83/83 [==============================] - 11s 129ms/step - loss: 0.0617 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-16  Epoch 171/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0557 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-17  Epoch 172/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0588 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-17  Epoch 173/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0505 - categorical\_accuracy: 0.9887 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-17  Epoch 174/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0535 - categorical\_accuracy: 0.9849 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-17  Epoch 175/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0543 - categorical\_accuracy: 0.9872 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-17  Epoch 176/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0556 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-17  Epoch 177/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0560 - categorical\_accuracy: 0.9842 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-17  Epoch 178/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0520 - categorical\_accuracy: 0.9887 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-17  Epoch 179/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0623 - categorical\_accuracy: 0.9827 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-17  Epoch 180/500  82/83 [============================>.] - ETA: 0s - loss: 0.0514 - categorical\_accuracy: 0.9886INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0180.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0180.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0522 - categorical\_accuracy: 0.9880  Epoch 00180: ReduceLROnPlateau reducing learning rate to 9.999999010570977e-19.  83/83 [==============================] - 10s 124ms/step - loss: 0.0522 - categorical\_accuracy: 0.9880 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-17  Epoch 181/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0623 - categorical\_accuracy: 0.9804 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-18  Epoch 182/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0602 - categorical\_accuracy: 0.9782 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-18  Epoch 183/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0681 - categorical\_accuracy: 0.9767 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-18  Epoch 184/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0571 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-18  Epoch 185/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0584 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-18  Epoch 186/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0553 - categorical\_accuracy: 0.9827 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-18  Epoch 187/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0556 - categorical\_accuracy: 0.9819 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-18  Epoch 188/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0575 - categorical\_accuracy: 0.9842 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-18  Epoch 189/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0519 - categorical\_accuracy: 0.9872 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-18  Epoch 190/500  82/83 [============================>.] - ETA: 0s - loss: 0.0529 - categorical\_accuracy: 0.9870INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0190.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0190.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0528 - categorical\_accuracy: 0.9872  Epoch 00190: ReduceLROnPlateau reducing learning rate to 9.999999424161285e-20.  83/83 [==============================] - 11s 128ms/step - loss: 0.0528 - categorical\_accuracy: 0.9872 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-18  Epoch 191/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0558 - categorical\_accuracy: 0.9827 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-19  Epoch 192/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0600 - categorical\_accuracy: 0.9849 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-19  Epoch 193/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0562 - categorical\_accuracy: 0.9872 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-19  Epoch 194/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0512 - categorical\_accuracy: 0.9887 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-19  Epoch 195/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0575 - categorical\_accuracy: 0.9842 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-19  Epoch 196/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0680 - categorical\_accuracy: 0.9759 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-19  Epoch 197/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0560 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-19  Epoch 198/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0645 - categorical\_accuracy: 0.9804 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-19  Epoch 199/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0543 - categorical\_accuracy: 0.9872 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-19  Epoch 200/500  82/83 [============================>.] - ETA: 0s - loss: 0.0523 - categorical\_accuracy: 0.9832INFO: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.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0520 - categorical\_accuracy: 0.9834  Epoch 00200: ReduceLROnPlateau reducing learning rate to 9.999999682655225e-21.  83/83 [==============================] - 10s 124ms/step - loss: 0.0520 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-19  Epoch 201/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0512 - categorical\_accuracy: 0.9887 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-20  Epoch 202/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0598 - categorical\_accuracy: 0.9842 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-20  Epoch 203/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0533 - categorical\_accuracy: 0.9827 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-20  Epoch 204/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0520 - categorical\_accuracy: 0.9895 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-20  Epoch 205/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0538 - categorical\_accuracy: 0.9880 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-20  Epoch 206/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0511 - categorical\_accuracy: 0.9887 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-20  Epoch 207/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0626 - categorical\_accuracy: 0.9812 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-20  Epoch 208/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0592 - categorical\_accuracy: 0.9849 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-20  Epoch 209/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0604 - categorical\_accuracy: 0.9812 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-20  Epoch 210/500  82/83 [============================>.] - ETA: 0s - loss: 0.0610 - categorical\_accuracy: 0.9840INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0210.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0210.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0606 - categorical\_accuracy: 0.9842  Epoch 00210: ReduceLROnPlateau reducing learning rate to 9.999999682655225e-22.  83/83 [==============================] - 11s 127ms/step - loss: 0.0606 - categorical\_accuracy: 0.9842 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-20  Epoch 211/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0519 - categorical\_accuracy: 0.9887 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-21  Epoch 212/500  83/83 [==============================] - 7s 86ms/step - loss: 0.0552 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-21  Epoch 213/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0588 - categorical\_accuracy: 0.9849 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-21  Epoch 214/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0462 - categorical\_accuracy: 0.9895 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-21  Epoch 215/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0500 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-21  Epoch 216/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0570 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-21  Epoch 217/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0557 - categorical\_accuracy: 0.9842 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-21  Epoch 218/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0530 - categorical\_accuracy: 0.9849 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-21  Epoch 219/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0558 - categorical\_accuracy: 0.9849 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-21  Epoch 220/500  82/83 [============================>.] - ETA: 0s - loss: 0.0534 - categorical\_accuracy: 0.9863INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0220.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0220.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0551 - categorical\_accuracy: 0.9857  Epoch 00220: ReduceLROnPlateau reducing learning rate to 9.999999682655225e-23.  83/83 [==============================] - 10s 125ms/step - loss: 0.0551 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-21  Epoch 221/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0482 - categorical\_accuracy: 0.9887 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-22  Epoch 222/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0541 - categorical\_accuracy: 0.9849 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-22  Epoch 223/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0553 - categorical\_accuracy: 0.9849 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-22  Epoch 224/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0566 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-22  Epoch 225/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0584 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-22  Epoch 226/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0643 - categorical\_accuracy: 0.9827 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-22  Epoch 227/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0504 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-22  Epoch 228/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0557 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-22  Epoch 229/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0511 - categorical\_accuracy: 0.9895 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-22  Epoch 230/500  82/83 [============================>.] - ETA: 0s - loss: 0.0510 - categorical\_accuracy: 0.9855INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0230.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0230.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0518 - categorical\_accuracy: 0.9849  Epoch 00230: ReduceLROnPlateau reducing learning rate to 9.999999682655227e-24.  83/83 [==============================] - 11s 128ms/step - loss: 0.0518 - categorical\_accuracy: 0.9849 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-22  Epoch 231/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0584 - categorical\_accuracy: 0.9819 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-23  Epoch 232/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0583 - categorical\_accuracy: 0.9819 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-23  Epoch 233/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0574 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-23  Epoch 234/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0572 - categorical\_accuracy: 0.9812 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-23  Epoch 235/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0625 - categorical\_accuracy: 0.9804 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-23  Epoch 236/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0531 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-23  Epoch 237/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0440 - categorical\_accuracy: 0.9910 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-23  Epoch 238/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0602 - categorical\_accuracy: 0.9827 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-23  Epoch 239/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0469 - categorical\_accuracy: 0.9880 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-23  Epoch 240/500  82/83 [============================>.] - ETA: 0s - loss: 0.0631 - categorical\_accuracy: 0.9809INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0240.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0240.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0625 - categorical\_accuracy: 0.9812  Epoch 00240: ReduceLROnPlateau reducing learning rate to 9.999999998199588e-25.  83/83 [==============================] - 10s 124ms/step - loss: 0.0625 - categorical\_accuracy: 0.9812 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-23  Epoch 241/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0532 - categorical\_accuracy: 0.9887 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-24  Epoch 242/500  83/83 [==============================] - 7s 86ms/step - loss: 0.0447 - categorical\_accuracy: 0.9910 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-24  Epoch 243/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0467 - categorical\_accuracy: 0.9880 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-24  Epoch 244/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0489 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-24  Epoch 245/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0520 - categorical\_accuracy: 0.9887 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-24  Epoch 246/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0658 - categorical\_accuracy: 0.9827 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-24  Epoch 247/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0556 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-24  Epoch 248/500  83/83 [==============================] - 7s 86ms/step - loss: 0.0617 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-24  Epoch 249/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0476 - categorical\_accuracy: 0.9872 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-24  Epoch 250/500  82/83 [============================>.] - ETA: 0s - loss: 0.0641 - categorical\_accuracy: 0.9809INFO: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.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0638 - categorical\_accuracy: 0.9812  Epoch 00250: ReduceLROnPlateau reducing learning rate to 1.0000000195414814e-25.  83/83 [==============================] - 11s 127ms/step - loss: 0.0638 - categorical\_accuracy: 0.9812 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-24  Epoch 251/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0600 - categorical\_accuracy: 0.9804 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-25  Epoch 252/500  83/83 [==============================] - 7s 87ms/step - loss: 0.0539 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-25  Epoch 253/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0635 - categorical\_accuracy: 0.9812 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-25  Epoch 254/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0613 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-25  Epoch 255/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0583 - categorical\_accuracy: 0.9842 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-25  Epoch 256/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0546 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-25  Epoch 257/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0524 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-25  Epoch 258/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0530 - categorical\_accuracy: 0.9895 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-25  Epoch 259/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0515 - categorical\_accuracy: 0.9880 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-25  Epoch 260/500  82/83 [============================>.] - ETA: 0s - loss: 0.0535 - categorical\_accuracy: 0.9870INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0260.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0260.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0530 - categorical\_accuracy: 0.9872  Epoch 00260: ReduceLROnPlateau reducing learning rate to 1.0000000195414814e-26.  83/83 [==============================] - 10s 124ms/step - loss: 0.0530 - categorical\_accuracy: 0.9872 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-25  Epoch 261/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0516 - categorical\_accuracy: 0.9872 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-26  Epoch 262/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0545 - categorical\_accuracy: 0.9849 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-26  Epoch 263/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0531 - categorical\_accuracy: 0.9849 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-26  Epoch 264/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0557 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-26  Epoch 265/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0537 - categorical\_accuracy: 0.9902 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-26  Epoch 266/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0521 - categorical\_accuracy: 0.9872 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-26  Epoch 267/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0548 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-26  Epoch 268/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0581 - categorical\_accuracy: 0.9849 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-26  Epoch 269/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0603 - categorical\_accuracy: 0.9872 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-26  Epoch 270/500  82/83 [============================>.] - ETA: 0s - loss: 0.0510 - categorical\_accuracy: 0.9870INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0270.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0270.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0515 - categorical\_accuracy: 0.9864  Epoch 00270: ReduceLROnPlateau reducing learning rate to 9.999999887266024e-28.  83/83 [==============================] - 11s 129ms/step - loss: 0.0515 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-26  Epoch 271/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0489 - categorical\_accuracy: 0.9880 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-27  Epoch 272/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0715 - categorical\_accuracy: 0.9767 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-27  Epoch 273/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0571 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-27  Epoch 274/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0548 - categorical\_accuracy: 0.9880 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-27  Epoch 275/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0670 - categorical\_accuracy: 0.9812 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-27  Epoch 276/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0569 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-27  Epoch 277/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0483 - categorical\_accuracy: 0.9895 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-27  Epoch 278/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0603 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-27  Epoch 279/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0552 - categorical\_accuracy: 0.9872 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-27  Epoch 280/500  82/83 [============================>.] - ETA: 0s - loss: 0.0553 - categorical\_accuracy: 0.9855INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0280.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0280.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0548 - categorical\_accuracy: 0.9857  Epoch 00280: ReduceLROnPlateau reducing learning rate to 1.0000000272452012e-28.  83/83 [==============================] - 10s 125ms/step - loss: 0.0548 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-27  Epoch 281/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0504 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-28  Epoch 282/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0564 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-28  Epoch 283/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0433 - categorical\_accuracy: 0.9895 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-28  Epoch 284/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0539 - categorical\_accuracy: 0.9842 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-28  Epoch 285/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0572 - categorical\_accuracy: 0.9842 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-28  Epoch 286/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0539 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-28  Epoch 287/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0465 - categorical\_accuracy: 0.9902 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-28  Epoch 288/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0539 - categorical\_accuracy: 0.9872 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-28  Epoch 289/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0531 - categorical\_accuracy: 0.9880 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-28  Epoch 290/500  82/83 [============================>.] - ETA: 0s - loss: 0.0582 - categorical\_accuracy: 0.9787INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0290.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0290.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0575 - categorical\_accuracy: 0.9789  Epoch 00290: ReduceLROnPlateau reducing learning rate to 1.0000000031710769e-29.  83/83 [==============================] - 11s 128ms/step - loss: 0.0575 - categorical\_accuracy: 0.9789 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-28  Epoch 291/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0621 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-29  Epoch 292/500  83/83 [==============================] - 7s 86ms/step - loss: 0.0477 - categorical\_accuracy: 0.9887 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-29  Epoch 293/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0476 - categorical\_accuracy: 0.9895 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-29  Epoch 294/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0558 - categorical\_accuracy: 0.9849 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-29  Epoch 295/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0552 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-29  Epoch 296/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0537 - categorical\_accuracy: 0.9827 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-29  Epoch 297/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0486 - categorical\_accuracy: 0.9902 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-29  Epoch 298/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0518 - categorical\_accuracy: 0.9895 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-29  Epoch 299/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0524 - categorical\_accuracy: 0.9872 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-29  Epoch 300/500  82/83 [============================>.] - ETA: 0s - loss: 0.0538 - categorical\_accuracy: 0.9878INFO: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.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0533 - categorical\_accuracy: 0.9880  Epoch 00300: ReduceLROnPlateau reducing learning rate to 1.0000000031710769e-30.  83/83 [==============================] - 10s 123ms/step - loss: 0.0533 - categorical\_accuracy: 0.9880 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-29  Epoch 301/500  83/83 [==============================] - 7s 86ms/step - loss: 0.0527 - categorical\_accuracy: 0.9895 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-30  Epoch 302/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0516 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-30  Epoch 303/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0632 - categorical\_accuracy: 0.9804 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-30  Epoch 304/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0461 - categorical\_accuracy: 0.9887 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-30  Epoch 305/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0556 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-30  Epoch 306/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0633 - categorical\_accuracy: 0.9789 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-30  Epoch 307/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0615 - categorical\_accuracy: 0.9842 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-30  Epoch 308/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0550 - categorical\_accuracy: 0.9895 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-30  Epoch 309/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0467 - categorical\_accuracy: 0.9872 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-30  Epoch 310/500  82/83 [============================>.] - ETA: 0s - loss: 0.0585 - categorical\_accuracy: 0.9863INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0310.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0310.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0581 - categorical\_accuracy: 0.9864  Epoch 00310: ReduceLROnPlateau reducing learning rate to 1.000000003171077e-31.  83/83 [==============================] - 11s 128ms/step - loss: 0.0581 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-30  Epoch 311/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0561 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-31  Epoch 312/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0529 - categorical\_accuracy: 0.9842 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-31  Epoch 313/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0515 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-31  Epoch 314/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0526 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-31  Epoch 315/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0611 - categorical\_accuracy: 0.9789 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-31  Epoch 316/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0561 - categorical\_accuracy: 0.9872 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-31  Epoch 317/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0477 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-31  Epoch 318/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0595 - categorical\_accuracy: 0.9804 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-31  Epoch 319/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0506 - categorical\_accuracy: 0.9872 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-31  Epoch 320/500  82/83 [============================>.] - ETA: 0s - loss: 0.0453 - categorical\_accuracy: 0.9901INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0320.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0320.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0450 - categorical\_accuracy: 0.9902  Epoch 00320: ReduceLROnPlateau reducing learning rate to 9.999999796611899e-33.  83/83 [==============================] - 10s 124ms/step - loss: 0.0450 - categorical\_accuracy: 0.9902 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-31  Epoch 321/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0564 - categorical\_accuracy: 0.9842 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-32  Epoch 322/500  83/83 [==============================] - 7s 86ms/step - loss: 0.0639 - categorical\_accuracy: 0.9789 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-32  Epoch 323/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0635 - categorical\_accuracy: 0.9819 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-32  Epoch 324/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0558 - categorical\_accuracy: 0.9804 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-32  Epoch 325/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0510 - categorical\_accuracy: 0.9880 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-32  Epoch 326/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0506 - categorical\_accuracy: 0.9887 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-32  Epoch 327/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0555 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-32  Epoch 328/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0622 - categorical\_accuracy: 0.9827 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-32  Epoch 329/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0594 - categorical\_accuracy: 0.9819 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-32  Epoch 330/500  82/83 [============================>.] - ETA: 0s - loss: 0.0586 - categorical\_accuracy: 0.9840INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0330.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0330.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0583 - categorical\_accuracy: 0.9842  Epoch 00330: ReduceLROnPlateau reducing learning rate to 9.999999502738312e-34.  83/83 [==============================] - 11s 129ms/step - loss: 0.0583 - categorical\_accuracy: 0.9842 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-32  Epoch 331/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0606 - categorical\_accuracy: 0.9872 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-33  Epoch 332/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0524 - categorical\_accuracy: 0.9902 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-33  Epoch 333/500  83/83 [==============================] - 7s 86ms/step - loss: 0.0556 - categorical\_accuracy: 0.9849 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-33  Epoch 334/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0517 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-33  Epoch 335/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0473 - categorical\_accuracy: 0.9880 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-33  Epoch 336/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0537 - categorical\_accuracy: 0.9827 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-33  Epoch 337/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0573 - categorical\_accuracy: 0.9842 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-33  Epoch 338/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0454 - categorical\_accuracy: 0.9895 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-33  Epoch 339/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0545 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-33  Epoch 340/500  82/83 [============================>.] - ETA: 0s - loss: 0.0592 - categorical\_accuracy: 0.9809INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0340.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0340.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0585 - categorical\_accuracy: 0.9812  Epoch 00340: ReduceLROnPlateau reducing learning rate to 9.999999319067318e-35.  83/83 [==============================] - 10s 123ms/step - loss: 0.0585 - categorical\_accuracy: 0.9812 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-33  Epoch 341/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0599 - categorical\_accuracy: 0.9812 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-34  Epoch 342/500  83/83 [==============================] - 7s 86ms/step - loss: 0.0652 - categorical\_accuracy: 0.9804 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-34  Epoch 343/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0632 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-34  Epoch 344/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0500 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-34  Epoch 345/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0611 - categorical\_accuracy: 0.9842 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-34  Epoch 346/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0545 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-34  Epoch 347/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0584 - categorical\_accuracy: 0.9804 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-34  Epoch 348/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0563 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-34  Epoch 349/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0646 - categorical\_accuracy: 0.9789 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-34  Epoch 350/500  82/83 [============================>.] - ETA: 0s - loss: 0.0633 - categorical\_accuracy: 0.9840INFO: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.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0632 - categorical\_accuracy: 0.9834  Epoch 00350: ReduceLROnPlateau reducing learning rate to 9.999999319067319e-36.  83/83 [==============================] - 11s 128ms/step - loss: 0.0632 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-34  Epoch 351/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0560 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-35  Epoch 352/500  83/83 [==============================] - 7s 86ms/step - loss: 0.0509 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-35  Epoch 353/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0631 - categorical\_accuracy: 0.9782 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-35  Epoch 354/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0599 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-35  Epoch 355/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0537 - categorical\_accuracy: 0.9849 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-35  Epoch 356/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0558 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-35  Epoch 357/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0596 - categorical\_accuracy: 0.9842 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-35  Epoch 358/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0550 - categorical\_accuracy: 0.9842 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-35  Epoch 359/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0593 - categorical\_accuracy: 0.9812 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-35  Epoch 360/500  82/83 [============================>.] - ETA: 0s - loss: 0.0538 - categorical\_accuracy: 0.9870INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0360.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0360.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0537 - categorical\_accuracy: 0.9872  Epoch 00360: ReduceLROnPlateau reducing learning rate to 9.999999462560281e-37.  83/83 [==============================] - 11s 127ms/step - loss: 0.0537 - categorical\_accuracy: 0.9872 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-35  Epoch 361/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0578 - categorical\_accuracy: 0.9812 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-36  Epoch 362/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0518 - categorical\_accuracy: 0.9849 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-36  Epoch 363/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0527 - categorical\_accuracy: 0.9895 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-36  Epoch 364/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0533 - categorical\_accuracy: 0.9880 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-36  Epoch 365/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0527 - categorical\_accuracy: 0.9827 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-36  Epoch 366/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0574 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-36  Epoch 367/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0502 - categorical\_accuracy: 0.9880 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-36  Epoch 368/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0661 - categorical\_accuracy: 0.9774 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-36  Epoch 369/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0536 - categorical\_accuracy: 0.9842 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-36  Epoch 370/500  82/83 [============================>.] - ETA: 0s - loss: 0.0560 - categorical\_accuracy: 0.9825INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0370.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0370.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0556 - categorical\_accuracy: 0.9827  Epoch 00370: ReduceLROnPlateau reducing learning rate to 9.99999946256028e-38.  83/83 [==============================] - 10s 123ms/step - loss: 0.0556 - categorical\_accuracy: 0.9827 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-36  Epoch 371/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0488 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-37  Epoch 372/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0490 - categorical\_accuracy: 0.9895 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-37  Epoch 373/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0551 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-37  Epoch 374/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0597 - categorical\_accuracy: 0.9849 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-37  Epoch 375/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0515 - categorical\_accuracy: 0.9849 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-37  Epoch 376/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0527 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-37  Epoch 377/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0588 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-37  Epoch 378/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0525 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-37  Epoch 379/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0648 - categorical\_accuracy: 0.9804 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-37  Epoch 380/500  82/83 [============================>.] - ETA: 0s - loss: 0.0578 - categorical\_accuracy: 0.9817INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0380.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0380.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0571 - categorical\_accuracy: 0.9819  Epoch 00380: ReduceLROnPlateau reducing learning rate to 9.99999991097579e-39.  83/83 [==============================] - 11s 128ms/step - loss: 0.0571 - categorical\_accuracy: 0.9819 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-37  Epoch 381/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0561 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-38  Epoch 382/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0558 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-38  Epoch 383/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0610 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-38  Epoch 384/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0550 - categorical\_accuracy: 0.9887 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-38  Epoch 385/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0525 - categorical\_accuracy: 0.9849 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-38  Epoch 386/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0592 - categorical\_accuracy: 0.9797 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-38  Epoch 387/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0561 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-38  Epoch 388/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0522 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-38  Epoch 389/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0519 - categorical\_accuracy: 0.9917 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-38  Epoch 390/500  82/83 [============================>.] - ETA: 0s - loss: 0.0554 - categorical\_accuracy: 0.9863INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0390.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0390.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0548 - categorical\_accuracy: 0.9864  Epoch 00390: ReduceLROnPlateau reducing learning rate to 9.999999350456405e-40.  83/83 [==============================] - 10s 124ms/step - loss: 0.0548 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-38  Epoch 391/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0641 - categorical\_accuracy: 0.9812 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-39  Epoch 392/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0498 - categorical\_accuracy: 0.9880 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-39  Epoch 393/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0552 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-39  Epoch 394/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0551 - categorical\_accuracy: 0.9849 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-39  Epoch 395/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0567 - categorical\_accuracy: 0.9819 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-39  Epoch 396/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0563 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-39  Epoch 397/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0762 - categorical\_accuracy: 0.9729 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-39  Epoch 398/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0540 - categorical\_accuracy: 0.9842 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-39  Epoch 399/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0524 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-39  Epoch 400/500  82/83 [============================>.] - ETA: 0s - loss: 0.0543 - categorical\_accuracy: 0.9855INFO: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.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0539 - categorical\_accuracy: 0.9857  Epoch 00400: ReduceLROnPlateau reducing learning rate to 1.0000002153053334e-40.  83/83 [==============================] - 11s 129ms/step - loss: 0.0539 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0000e-39  Epoch 401/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0631 - categorical\_accuracy: 0.9827 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.9999e-41  Epoch 402/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0535 - categorical\_accuracy: 0.9849 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.9999e-41  Epoch 403/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0450 - categorical\_accuracy: 0.9880 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.9999e-41  Epoch 404/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0508 - categorical\_accuracy: 0.9872 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.9999e-41  Epoch 405/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0584 - categorical\_accuracy: 0.9842 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.9999e-41  Epoch 406/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0496 - categorical\_accuracy: 0.9917 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.9999e-41  Epoch 407/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0554 - categorical\_accuracy: 0.9842 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.9999e-41  Epoch 408/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0570 - categorical\_accuracy: 0.9849 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.9999e-41  Epoch 409/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0508 - categorical\_accuracy: 0.9872 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.9999e-41  Epoch 410/500  82/83 [============================>.] - ETA: 0s - loss: 0.0600 - categorical\_accuracy: 0.9832INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0410.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0410.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0595 - categorical\_accuracy: 0.9834  Epoch 00410: ReduceLROnPlateau reducing learning rate to 9.99994610111476e-42.  83/83 [==============================] - 10s 124ms/step - loss: 0.0595 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.9999e-41  Epoch 411/500  83/83 [==============================] - 7s 86ms/step - loss: 0.0573 - categorical\_accuracy: 0.9804 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.9997e-42  Epoch 412/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0522 - categorical\_accuracy: 0.9849 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.9997e-42  Epoch 413/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0559 - categorical\_accuracy: 0.9819 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.9997e-42  Epoch 414/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0558 - categorical\_accuracy: 0.9827 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.9997e-42  Epoch 415/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0587 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.9997e-42  Epoch 416/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0583 - categorical\_accuracy: 0.9819 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.9997e-42  Epoch 417/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0593 - categorical\_accuracy: 0.9819 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.9997e-42  Epoch 418/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0578 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.9997e-42  Epoch 419/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0653 - categorical\_accuracy: 0.9804 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.9997e-42  Epoch 420/500  82/83 [============================>.] - ETA: 0s - loss: 0.0625 - categorical\_accuracy: 0.9817INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0420.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0420.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0618 - categorical\_accuracy: 0.9819  Epoch 00420: ReduceLROnPlateau reducing learning rate to 9.999665841421895e-43.  83/83 [==============================] - 11s 128ms/step - loss: 0.0618 - categorical\_accuracy: 0.9819 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.9997e-42  Epoch 421/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0660 - categorical\_accuracy: 0.9782 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0005e-42  Epoch 422/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0549 - categorical\_accuracy: 0.9872 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0005e-42  Epoch 423/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0546 - categorical\_accuracy: 0.9872 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0005e-42  Epoch 424/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0603 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0005e-42  Epoch 425/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0492 - categorical\_accuracy: 0.9887 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0005e-42  Epoch 426/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0571 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0005e-42  Epoch 427/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0495 - categorical\_accuracy: 0.9872 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0005e-42  Epoch 428/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0530 - categorical\_accuracy: 0.9872 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0005e-42  Epoch 429/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0518 - categorical\_accuracy: 0.9895 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0005e-42  Epoch 430/500  82/83 [============================>.] - ETA: 0s - loss: 0.0609 - categorical\_accuracy: 0.9832INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0430.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0430.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0604 - categorical\_accuracy: 0.9834  Epoch 00430: ReduceLROnPlateau reducing learning rate to 1.0005271035279195e-43.  83/83 [==============================] - 10s 123ms/step - loss: 0.0604 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.0005e-42  Epoch 431/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0561 - categorical\_accuracy: 0.9872 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.9492e-44  Epoch 432/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0565 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.9492e-44  Epoch 433/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0504 - categorical\_accuracy: 0.9872 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.9492e-44  Epoch 434/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0483 - categorical\_accuracy: 0.9902 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.9492e-44  Epoch 435/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0616 - categorical\_accuracy: 0.9819 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.9492e-44  Epoch 436/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0498 - categorical\_accuracy: 0.9872 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.9492e-44  Epoch 437/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0525 - categorical\_accuracy: 0.9880 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.9492e-44  Epoch 438/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0543 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.9492e-44  Epoch 439/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0591 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.9492e-44  Epoch 440/500  82/83 [============================>.] - ETA: 0s - loss: 0.0551 - categorical\_accuracy: 0.9855INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0440.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0440.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0551 - categorical\_accuracy: 0.9857  Epoch 00440: ReduceLROnPlateau reducing learning rate to 9.949219096706202e-45.  83/83 [==============================] - 11s 129ms/step - loss: 0.0551 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.9492e-44  Epoch 441/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0611 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.8091e-45  Epoch 442/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0499 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.8091e-45  Epoch 443/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0537 - categorical\_accuracy: 0.9872 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.8091e-45  Epoch 444/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0533 - categorical\_accuracy: 0.9887 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.8091e-45  Epoch 445/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0543 - categorical\_accuracy: 0.9887 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.8091e-45  Epoch 446/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0483 - categorical\_accuracy: 0.9910 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.8091e-45  Epoch 447/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0538 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.8091e-45  Epoch 448/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0598 - categorical\_accuracy: 0.9842 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.8091e-45  Epoch 449/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0535 - categorical\_accuracy: 0.9842 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.8091e-45  Epoch 450/500  82/83 [============================>.] - ETA: 0s - loss: 0.0542 - categorical\_accuracy: 0.9855INFO: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.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0536 - categorical\_accuracy: 0.9857  Epoch 00450: ReduceLROnPlateau reducing learning rate to 9.80908925027372e-46.  83/83 [==============================] - 10s 124ms/step - loss: 0.0536 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 9.8091e-45  Epoch 451/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0512 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.4013e-45  Epoch 452/500  83/83 [==============================] - 7s 87ms/step - loss: 0.0569 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.4013e-45  Epoch 453/500  83/83 [==============================] - 7s 83ms/step - loss: 0.0459 - categorical\_accuracy: 0.9880 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.4013e-45  Epoch 454/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0590 - categorical\_accuracy: 0.9827 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.4013e-45  Epoch 455/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0562 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.4013e-45  Epoch 456/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0512 - categorical\_accuracy: 0.9902 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.4013e-45  Epoch 457/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0586 - categorical\_accuracy: 0.9827 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.4013e-45  Epoch 458/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0633 - categorical\_accuracy: 0.9789 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.4013e-45  Epoch 459/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0541 - categorical\_accuracy: 0.9880 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.4013e-45  Epoch 460/500  82/83 [============================>.] - ETA: 0s - loss: 0.0559 - categorical\_accuracy: 0.9855INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0460.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0460.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - ETA: 0s - loss: 0.0555 - categorical\_accuracy: 0.9857  Epoch 00460: ReduceLROnPlateau reducing learning rate to 1.4012984643248171e-46.  83/83 [==============================] - 11s 129ms/step - loss: 0.0555 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 1.4013e-45  Epoch 461/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0574 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 462/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0539 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 463/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0505 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 464/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0589 - categorical\_accuracy: 0.9842 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 465/500  83/83 [==============================] - 7s 82ms/step - loss: 0.0482 - categorical\_accuracy: 0.9887 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 466/500  83/83 [==============================] - 7s 82ms/step - loss: 0.0646 - categorical\_accuracy: 0.9827 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 467/500  83/83 [==============================] - 7s 81ms/step - loss: 0.0575 - categorical\_accuracy: 0.9812 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 468/500  83/83 [==============================] - 7s 82ms/step - loss: 0.0569 - categorical\_accuracy: 0.9842 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 469/500  83/83 [==============================] - 7s 81ms/step - loss: 0.0562 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 470/500  82/83 [============================>.] - ETA: 0s - loss: 0.0489 - categorical\_accuracy: 0.9893INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0470.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0470.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - 10s 121ms/step - loss: 0.0484 - categorical\_accuracy: 0.9895 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 471/500  83/83 [==============================] - 7s 82ms/step - loss: 0.0522 - categorical\_accuracy: 0.9842 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 472/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0527 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 473/500  83/83 [==============================] - 7s 82ms/step - loss: 0.0548 - categorical\_accuracy: 0.9872 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 474/500  83/83 [==============================] - 7s 82ms/step - loss: 0.0583 - categorical\_accuracy: 0.9880 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 475/500  83/83 [==============================] - 7s 82ms/step - loss: 0.0476 - categorical\_accuracy: 0.9902 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 476/500  83/83 [==============================] - 7s 81ms/step - loss: 0.0501 - categorical\_accuracy: 0.9887 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 477/500  83/83 [==============================] - 7s 82ms/step - loss: 0.0556 - categorical\_accuracy: 0.9849 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 478/500  83/83 [==============================] - 7s 82ms/step - loss: 0.0541 - categorical\_accuracy: 0.9827 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 479/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0515 - categorical\_accuracy: 0.9849 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 480/500  82/83 [============================>.] - ETA: 0s - loss: 0.0583 - categorical\_accuracy: 0.9809INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0480.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0480.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - 11s 129ms/step - loss: 0.0586 - categorical\_accuracy: 0.9804 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 481/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0603 - categorical\_accuracy: 0.9819 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 482/500  83/83 [==============================] - 7s 86ms/step - loss: 0.0560 - categorical\_accuracy: 0.9827 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 483/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0545 - categorical\_accuracy: 0.9827 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 484/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0502 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 485/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0506 - categorical\_accuracy: 0.9902 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 486/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0560 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 487/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0513 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 488/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0622 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 489/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0513 - categorical\_accuracy: 0.9872 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 490/500  82/83 [============================>.] - ETA: 0s - loss: 0.0560 - categorical\_accuracy: 0.9855INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0490.ckpt/assets  INFO:tensorflow:Assets written to: /content/drive/MyDrive/LookLearn/models\_dir/cp-0490.ckpt/assets  WARNING:absl:<keras.layers.recurrent.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - 10s 125ms/step - loss: 0.0570 - categorical\_accuracy: 0.9849 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 491/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0542 - categorical\_accuracy: 0.9895 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 492/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0592 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 493/500  83/83 [==============================] - 7s 86ms/step - loss: 0.0605 - categorical\_accuracy: 0.9789 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 494/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0600 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 495/500  83/83 [==============================] - 7s 87ms/step - loss: 0.0587 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 496/500  83/83 [==============================] - 7s 85ms/step - loss: 0.0536 - categorical\_accuracy: 0.9864 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 497/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0670 - categorical\_accuracy: 0.9759 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 498/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0607 - categorical\_accuracy: 0.9857 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 499/500  83/83 [==============================] - 7s 84ms/step - loss: 0.0514 - categorical\_accuracy: 0.9834 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  Epoch 500/500  82/83 [============================>.] - ETA: 0s - loss: 0.0539 - categorical\_accuracy: 0.9848INFO: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.LSTMCell object at 0x7fc43019c590> 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.  83/83 [==============================] - 11s 129ms/step - loss: 0.0534 - categorical\_accuracy: 0.9849 - val\_loss: 0.7448 - val\_categorical\_accuracy: 0.8681 - lr: 0.0000e+00  <keras.callbacks.History at 0x7fc430191090> |
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