**Output:**

63/63 [==============================] - 3s 26ms/step - loss: 0.6955 - accuracy: 0.7989

Epoch 2/10

63/63 [==============================] - 1s 24ms/step - loss: 0.2551 - accuracy: 0.9237

Epoch 3/10

63/63 [==============================] - 1s 23ms/step - loss: 0.1794 - accuracy: 0.9441

Epoch 4/10

63/63 [==============================] - 1s 24ms/step - loss: 0.1224 - accuracy: 0.9636

Epoch 5/10

63/63 [==============================] - 1s 23ms/step - loss: 0.0891 - accuracy: 0.9740

Epoch 6/10

63/63 [==============================] - 2s 26ms/step - loss: 0.0747 - accuracy: 0.9764

Epoch 7/10

63/63 [==============================] - 2s 24ms/step - loss: 0.0543 - accuracy: 0.9849

Epoch 8/10

63/63 [==============================] - 1s 24ms/step - loss: 0.0449 - accuracy: 0.9875

Epoch 9/10

63/63 [==============================] - 2s 24ms/step - loss: 0.0369 - accuracy: 0.9908

Epoch 10/10

63/63 [==============================] - 1s 23ms/step - loss: 0.0291 - accuracy: 0.9925

63/63 [==============================] - 1s 4ms/step - loss: 0.0977 - accuracy: 0.9685

Accuracy: 0.97

63/63 [==============================] - 0s 4ms/step

Prediction: 6, Actual: 6

Prediction: 2, Actual: 2

Prediction: 3, Actual: 3

Prediction: 7, Actual: 7

Prediction: 2, Actual: 2

Prediction: 2, Actual: 2

Prediction: 3, Actual: 3

Prediction: 4, Actual: 4

Prediction: 7, Actual: 7

Prediction: 6, Actual: 6