```
 1 C:\Users\Usuario\AppData\Local\Programs\Python\
   Python311\python.exe "C:\Users\Usuario\
   PycharmProjects\AYR_2024_1\Unidad 2\
   Intro_ConvolutionalNeuronalNetwork\entrenar.py"
 2 2024-02-20 09:26:13.112435: I tensorflow/core/util/
   port.cc:113] oneDNN custom operations are on. You may
    see slightly different numerical results due to
   floating-point round-off errors from different
   computation orders. To turn them off, set the
   environment variable `TF_ENABLE_ONEDNN_OPTS=0`.
 3 WARNING:tensorflow:From C:\Users\Usuario\AppData\
   Local\Programs\Python\Python311\Lib\site-packages\
   keras\src\losses.py:2976: The name tf.losses.
   sparse_softmax_cross_entropy is deprecated. Please
   use tf.compat.v1.losses.sparse_softmax_cross_entropy
   instead.
 4
 5 WARNING:tensorflow:From C:\Users\Usuario\AppData\
   Local\Programs\Python\Python311\Lib\site-packages\
   keras\src\backend.py:277: The name tf.
   reset_default_graph is deprecated. Please use tf.
   compat.v1.reset_default_graph instead.
 6
 7 Found 150 images belonging to 3 classes.
 8 Found 90 images belonging to 3 classes.
 9 2024-02-20 09:26:17.156025: I tensorflow/core/
   platform/cpu_feature_guard.cc:182] This TensorFlow
   binary is optimized to use available CPU instructions
    in performance-critical operations.
10 To enable the following instructions: SSE SSE2 SSE3
   SSE4.1 SSE4.2 AVX2 FMA, in other operations, rebuild
   TensorFlow with the appropriate compiler flags.
11 WARNING:tensorflow:From C:\Users\Usuario\AppData\
   Local\Programs\Python\Python311\Lib\site-packages\
   keras\src\layers\pooling\max_pooling2d.py:161: The
   name tf.nn.max_pool is deprecated. Please use tf.nn.
   max_pool2d instead.
12
13 Epoch 1/15
14 WARNING:tensorflow:From C:\Users\Usuario\AppData\
   Local\Programs\Python\Python311\Lib\site-packages\
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14 keras\src\utils\tf_utils.py:492: The name tf.ragged.
   RaggedTensorValue is deprecated. Please use tf.compat
   .v1.ragged.RaggedTensorValue instead.
15
16 WARNING:tensorflow:From C:\Users\Usuario\AppData\
   Local\Programs\Python\Python311\Lib\site-packages\
   keras\src\engine\base_layer_utils.py:384: The name tf
   .executing_eagerly_outside_functions is deprecated.
   Please use tf.compat.v1.
   executing_eagerly_outside_functions instead.
17
18 30/30 [==============================] - 22s 710ms/
   step - loss: 1.5516 - accuracy: 0.4889 - val_loss: 0.
   7616 - val_accuracy: 0.4000
19 Epoch 2/15
20 30/30 [==============================] - 21s 699ms/
   step - loss: 0.5449 - accuracy: 0.7889 - val_loss: 0.
   1812 - val_accuracy: 1.0000
21 Epoch 3/15
22 30/30 [==============================] - 21s 703ms/
   step - loss: 0.1408 - accuracy: 0.9778 - val_loss: 0.
   0282 - val_accuracy: 1.0000
23 Epoch 4/15
24 30/30 [==============================] - 21s 699ms/
   step - loss: 0.2267 - accuracy: 0.9444 - val_loss: 0.
   0050 - val_accuracy: 1.0000
25 Epoch 5/15
26 30/30 [==============================] - 21s 705ms/
   step - loss: 0.0506 - accuracy: 1.0000 - val_loss: 0.
   0017 - val_accuracy: 1.0000
27 Epoch 6/15
28 30/30 [==============================] - 22s 726ms/
   step - loss: 0.0046 - accuracy: 1.0000 - val_loss: 2.
   3417e-04 - val_accuracy: 1.0000
29 Epoch 7/15
30 30/30 [==============================] - 22s 717ms/
   step - loss: 0.0012 - accuracy: 1.0000 - val_loss: 2.
   7281e-04 - val_accuracy: 1.0000
31 Epoch 8/15
32 30/30 [==============================] - 22s 720ms/
   step - loss: 8.7981e-04 - accuracy: 1.0000 - val_loss
```

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32  : 1.9764e-05 - val_accuracy: 1.0000
33  Epoch 9/15
34  30/30 [==============================] - 22s 727ms/
    step - loss: 6.6347e-04 - accuracy: 1.0000 - val_loss
    : 6.3113e-05 - val_accuracy: 1.0000
35  Epoch 10/15
36  30/30 [==============================] - 21s 701ms/
    step - loss: 9.0564e-04 - accuracy: 1.0000 - val_loss
    : 1.4825e-05 - val_accuracy: 1.0000
37  Epoch 11/15
38  30/30 [==============================] - 22s 713ms/
    step - loss: 0.0048 - accuracy: 1.0000 - val_loss: 1.
    4166e-05 - val_accuracy: 1.0000
39  Epoch 12/15
40  30/30 [==============================] - 22s 736ms/
    step - loss: 0.1297 - accuracy: 0.9556 - val_loss: 0.
    0032 - val_accuracy: 1.0000
41  Epoch 13/15
42  30/30 [==============================] - 22s 721ms/
    step - loss: 0.0262 - accuracy: 1.0000 - val_loss: 1.
    0977e-04 - val_accuracy: 1.0000
43  Epoch 14/15
44  30/30 [==============================] - 21s 713ms/
    step - loss: 0.0024 - accuracy: 1.0000 - val_loss: 8.
    9644e-06 - val_accuracy: 1.0000
45  Epoch 15/15
46  30/30 [==============================] - 21s 704ms/
    step - loss: 0.0069 - accuracy: 1.0000 - val_loss: 2.
    4160e-04 - val_accuracy: 1.0000
47  C:\Users\Usuario\AppData\Local\Programs\Python\
    Python311\Lib\site-packages\keras\src\engine\training
    .py:3103: UserWarning: You are saving your model as
    an HDF5 file via `model.save()`. This file format is
    considered legacy. We recommend using instead the
    native Keras format, e.g. `model.save('my_model.keras
    ')`.
48    saving_api.save_model(
49
50  Process finished with exit code 0
51
```