```
Epoch 1/30
19/19 ──────────────── 97s 5s/step - accuracy: 0.1702 - loss: 2.8119 - val_accuracy: 0.4700 - val_loss: 1.5078
Epoch 2/30
19/19 ──────────────── 0s 2ms/step - accuracy: 0.0000e+00 - loss: 0.0000e+00 - val_accuracy: 0.0000e+00 -
val_loss: 0.0000e+00
Epoch 3/30
19/19 ──────────────── 122s 6s/step - accuracy: 0.5659 - loss: 1.3530 - val_accuracy: 0.6400 - val_loss: 1.0634
Epoch 4/30
19/19 ──────────────── 0s 1ms/step - accuracy: 0.0000e+00 - loss: 0.0000e+00 - val_accuracy: 0.0000e+00 -
val_loss: 0.0000e+00
Epoch 5/30
19/19 ──────────────── 131s 7s/step - accuracy: 0.7199 - loss: 0.8619 - val_accuracy: 0.7000 - val_loss: 0.9365
Epoch 6/30
19/19 ──────────────── 0s 820us/step - accuracy: 0.0000e+00 - loss: 0.0000e+00 - val_accuracy: 0.0000e+00 -
val_loss: 0.0000e+00
Epoch 7/30
19/19 ──────────────── 209s 11s/step - accuracy: 0.7494 - loss: 0.7559 - val_accuracy: 0.6800 - val_loss:
0.9583
Epoch 8/30
19/19 ──────────────── 0s 1ms/step - accuracy: 0.0000e+00 - loss: 0.0000e+00 - val_accuracy: 0.0000e+00 -
val_loss: 0.0000e+00
Epoch 9/30
19/19 ──────────────── 173s 9s/step - accuracy: 0.8340 - loss: 0.5791 - val_accuracy: 0.7600 - val_loss: 0.7934
Epoch 10/30
19/19 ──────────────── 0s 1ms/step - accuracy: 0.0000e+00 - loss: 0.0000e+00 - val_accuracy: 0.0000e+00 -
val_loss: 0.0000e+00
Epoch 11/30
19/19 ──────────────── 213s 11s/step - accuracy: 0.8227 - loss: 0.5410 - val_accuracy: 0.7200 - val_loss:
0.7945
Epoch 12/30
19/19 ──────────────── 0s 2ms/step - accuracy: 0.0000e+00 - loss: 0.0000e+00 - val_accuracy: 0.0000e+00 -
val_loss: 0.0000e+00
Epoch 13/30
```

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Epoch 13/30
19/19 ━━━━━━━━━━━━━━━━━━━━ 207s 8s/step - accuracy: 0.8369 - loss: 0.5011 - val_accuracy: 0.7900 - val_loss: 0.7179
Epoch 14/30
19/19 ━━━━━━━━━━━━━━━━━━━━ 0s 2ms/step - accuracy: 0.0000e+00 - loss: 0.0000e+00 - val_accuracy: 0.0000e+00 -
val_loss: 0.0000e+00
Epoch 15/30
19/19 ━━━━━━━━━━━━━━━━━━━━ 132s 7s/step - accuracy: 0.8625 - loss: 0.4505 - val_accuracy: 0.7600 - val_loss: 0.8126
Epoch 16/30
19/19 ━━━━━━━━━━━━━━━━━━━━ 0s 1ms/step - accuracy: 0.0000e+00 - loss: 0.0000e+00 - val_accuracy: 0.0000e+00 -
val_loss: 0.0000e+00
Epoch 17/30
19/19 ━━━━━━━━━━━━━━━━━━━━ 114s 6s/step - accuracy: 0.8902 - loss: 0.3832 - val_accuracy: 0.7600 - val_loss: 0.7983
Epoch 18/30
19/19 ━━━━━━━━━━━━━━━━━━━━ 0s 2ms/step - accuracy: 0.0000e+00 - loss: 0.0000e+00 - val_accuracy: 0.0000e+00 -
val_loss: 0.0000e+00
Epoch 19/30
19/19 ━━━━━━━━━━━━━━━━━━━━ 119s 6s/step - accuracy: 0.9042 - loss: 0.3577 - val_accuracy: 0.8000 - val_loss: 0.7127
Epoch 20/30
19/19 ━━━━━━━━━━━━━━━━━━━━ 0s 1ms/step - accuracy: 0.0000e+00 - loss: 0.0000e+00 - val_accuracy: 0.0000e+00 -
val_loss: 0.0000e+00
Epoch 21/30
19/19 ━━━━━━━━━━━━━━━━━━━━ 111s 6s/step - accuracy: 0.9368 - loss: 0.2462 - val_accuracy: 0.7600 - val_loss: 0.6769
Epoch 22/30
19/19 ━━━━━━━━━━━━━━━━━━━━ 0s 968us/step - accuracy: 0.0000e+00 - loss: 0.0000e+00 - val_accuracy: 0.0000e+00 -
val_loss: 0.0000e+00
Epoch 23/30
19/19 ━━━━━━━━━━━━━━━━━━━━ 113s 6s/step - accuracy: 0.9232 - loss: 0.2422 - val_accuracy: 0.7500 - val_loss: 0.7792
Epoch 24/30
19/19 ━━━━━━━━━━━━━━━━━━━━ 0s 2ms/step - accuracy: 0.0000e+00 - loss: 0.0000e+00 - val_accuracy: 0.0000e+00 -
val_loss: 0.0000e+00
Epoch 25/30
19/19 ━━━━━━━━━━━━━━━━━━━━ 110s 6s/step - accuracy: 0.9341 - loss: 0.2393 - val_accuracy: 0.8100 - val_loss: 0.6007
Epoch 26/30
```

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Epoch 18/30
19/19 ————————————— 0s 2ms/step - accuracy: 0.0000e+00 - loss: 0.0000e+00 - val_accuracy: 0.0000e+00 -
val_loss: 0.0000e+00
Epoch 19/30
19/19 ————————————— 119s 6s/step - accuracy: 0.9042 - loss: 0.3577 - val_accuracy: 0.8000 - val_loss: 0.7127
Epoch 20/30
19/19 ————————————— 0s 1ms/step - accuracy: 0.0000e+00 - loss: 0.0000e+00 - val_accuracy: 0.0000e+00 -
val_loss: 0.0000e+00
Epoch 21/30
19/19 ————————————— 111s 6s/step - accuracy: 0.9368 - loss: 0.2462 - val_accuracy: 0.7600 - val_loss: 0.6769
Epoch 22/30
19/19 ————————————— 0s 968us/step - accuracy: 0.0000e+00 - loss: 0.0000e+00 - val_accuracy: 0.0000e+00 -
val_loss: 0.0000e+00
Epoch 23/30
19/19 ————————————— 113s 6s/step - accuracy: 0.9232 - loss: 0.2422 - val_accuracy: 0.7500 - val_loss: 0.7792
Epoch 24/30
19/19 ————————————— 0s 2ms/step - accuracy: 0.0000e+00 - loss: 0.0000e+00 - val_accuracy: 0.0000e+00 -
val_loss: 0.0000e+00
Epoch 25/30
19/19 ————————————— 110s 6s/step - accuracy: 0.9341 - loss: 0.2393 - val_accuracy: 0.8100 - val_loss: 0.6007
Epoch 26/30
19/19 ————————————— 0s 1ms/step - accuracy: 0.0000e+00 - loss: 0.0000e+00 - val_accuracy: 0.0000e+00 -
val_loss: 0.0000e+00
Epoch 27/30
19/19 ————————————— 111s 6s/step - accuracy: 0.9474 - loss: 0.2033 - val_accuracy: 0.7700 - val_loss: 0.7575
Epoch 28/30
19/19 ————————————— 0s 2ms/step - accuracy: 0.0000e+00 - loss: 0.0000e+00 - val_accuracy: 0.0000e+00 -
val_loss: 0.0000e+00
Epoch 29/30
19/19 ————————————— 114s 6s/step - accuracy: 0.9445 - loss: 0.2142 - val_accuracy: 0.7800 - val_loss: 0.7286
Epoch 30/30
19/19 ————————————— 0s 1ms/step - accuracy: 0.0000e+00 - loss: 0.0000e+00 - val_accuracy: 0.0000e+00 -
val_loss: 0.0000e+00
```

IPython Console History