C:\ProgramData\Anaconda3\envs\tensorflow\python.exe D:/OneDrive/kerasResnet/Chest.py

Using TensorFlow backend.

Found 5216 images belonging to 2 classes.

Found 16 images belonging to 2 classes.

Found 624 images belonging to 2 classes.

output\_tensor

Epoch 1/20

1/10 [==>...........................] - ETA: 4:50 - loss: 4.7916 - accuracy: 0.6875

2/10 [=====>........................] - ETA: 3:15 - loss: 4.0729 - accuracy: 0.7344

3/10 [========>.....................] - ETA: 2:33 - loss: 3.9930 - accuracy: 0.7396

4/10 [===========>..................] - ETA: 2:03 - loss: 4.1927 - accuracy: 0.7266

5/10 [==============>...............] - ETA: 1:38 - loss: 4.6000 - accuracy: 0.7000

6/10 [=================>............] - ETA: 1:16 - loss: 4.5521 - accuracy: 0.7031

7/10 [====================>.........] - ETA: 56s - loss: 4.5863 - accuracy: 0.7009

8/10 [=======================>......] - ETA: 37s - loss: 4.4922 - accuracy: 0.7070

9/10 [==========================>...] - ETA: 18s - loss: 4.5254 - accuracy: 0.7049

10/10 [==============================] - 207s 21s/step - loss: 4.4083 - accuracy: 0.7125 - val\_loss: 7.6666 - val\_accuracy: 0.5000

Epoch 2/20

1/10 [==>...........................] - ETA: 2:30 - loss: 4.3125 - accuracy: 0.7188

2/10 [=====>........................] - ETA: 2:13 - loss: 4.3125 - accuracy: 0.7188

3/10 [========>.....................] - ETA: 1:56 - loss: 3.9930 - accuracy: 0.7396

4/10 [===========>..................] - ETA: 1:39 - loss: 4.4323 - accuracy: 0.7109

5/10 [==============>...............] - ETA: 1:23 - loss: 4.6000 - accuracy: 0.7000

6/10 [=================>............] - ETA: 1:06 - loss: 4.3923 - accuracy: 0.7135

7/10 [====================>.........] - ETA: 49s - loss: 4.2440 - accuracy: 0.7232

8/10 [=======================>......] - ETA: 33s - loss: 4.1927 - accuracy: 0.7266

9/10 [==========================>...] - ETA: 16s - loss: 4.2592 - accuracy: 0.7222

10/10 [==============================] - 190s 19s/step - loss: 4.0729 - accuracy: 0.7344 - val\_loss: 7.6666 - val\_accuracy: 0.5000

Epoch 3/20

1/10 [==>...........................] - ETA: 2:29 - loss: 3.8333 - accuracy: 0.7500

2/10 [=====>........................] - ETA: 2:13 - loss: 3.5937 - accuracy: 0.7656

3/10 [========>.....................] - ETA: 1:56 - loss: 4.4722 - accuracy: 0.7083

4/10 [===========>..................] - ETA: 1:40 - loss: 4.4323 - accuracy: 0.7109

5/10 [==============>...............] - ETA: 1:23 - loss: 4.2166 - accuracy: 0.7250

6/10 [=================>............] - ETA: 1:06 - loss: 4.0729 - accuracy: 0.7344

7/10 [====================>.........] - ETA: 50s - loss: 4.1756 - accuracy: 0.7277

8/10 [=======================>......] - ETA: 33s - loss: 4.1328 - accuracy: 0.7305

9/10 [==========================>...] - ETA: 16s - loss: 4.0463 - accuracy: 0.7361

10/10 [==============================] - 191s 19s/step - loss: 3.9291 - accuracy: 0.7437 - val\_loss: 7.6666 - val\_accuracy: 0.5000

Epoch 4/20

1/10 [==>...........................] - ETA: 2:29 - loss: 1.4375 - accuracy: 0.9062

2/10 [=====>........................] - ETA: 2:12 - loss: 3.1146 - accuracy: 0.7969

3/10 [========>.....................] - ETA: 1:56 - loss: 3.5139 - accuracy: 0.7708

4/10 [===========>..................] - ETA: 1:39 - loss: 3.9531 - accuracy: 0.7422

5/10 [==============>...............] - ETA: 1:23 - loss: 3.8333 - accuracy: 0.7500

6/10 [=================>............] - ETA: 1:06 - loss: 3.9930 - accuracy: 0.7396

7/10 [====================>.........] - ETA: 50s - loss: 3.9702 - accuracy: 0.7411

8/10 [=======================>......] - ETA: 33s - loss: 3.8333 - accuracy: 0.7500

9/10 [==========================>...] - ETA: 16s - loss: 3.8866 - accuracy: 0.7465

10/10 [==============================] - 191s 19s/step - loss: 3.7854 - accuracy: 0.7531 - val\_loss: 7.6666 - val\_accuracy: 0.5000

Epoch 5/20

1/10 [==>...........................] - ETA: 2:31 - loss: 4.7916 - accuracy: 0.6875

2/10 [=====>........................] - ETA: 2:13 - loss: 4.3125 - accuracy: 0.7188

3/10 [========>.....................] - ETA: 1:57 - loss: 4.7916 - accuracy: 0.6875

4/10 [===========>..................] - ETA: 1:40 - loss: 4.6718 - accuracy: 0.6953

5/10 [==============>...............] - ETA: 1:23 - loss: 4.3125 - accuracy: 0.7188

6/10 [=================>............] - ETA: 1:06 - loss: 3.9132 - accuracy: 0.7448

7/10 [====================>.........] - ETA: 49s - loss: 3.8333 - accuracy: 0.7500

8/10 [=======================>......] - ETA: 33s - loss: 3.9531 - accuracy: 0.7422

9/10 [==========================>...] - ETA: 16s - loss: 4.0995 - accuracy: 0.7326

10/10 [==============================] - 190s 19s/step - loss: 4.2166 - accuracy: 0.7250 - val\_loss: 7.6666 - val\_accuracy: 0.5000

Epoch 6/20

1/10 [==>...........................] - ETA: 2:29 - loss: 4.7916 - accuracy: 0.6875

2/10 [=====>........................] - ETA: 2:13 - loss: 4.0729 - accuracy: 0.7344

3/10 [========>.....................] - ETA: 1:57 - loss: 4.3125 - accuracy: 0.7188

4/10 [===========>..................] - ETA: 1:40 - loss: 4.1927 - accuracy: 0.7266

5/10 [==============>...............] - ETA: 1:23 - loss: 3.9291 - accuracy: 0.7437

6/10 [=================>............] - ETA: 1:06 - loss: 3.8333 - accuracy: 0.7500

7/10 [====================>.........] - ETA: 50s - loss: 3.8333 - accuracy: 0.7500

8/10 [=======================>......] - ETA: 33s - loss: 3.8932 - accuracy: 0.7461

9/10 [==========================>...] - ETA: 16s - loss: 3.6736 - accuracy: 0.7604

10/10 [==============================] - 191s 19s/step - loss: 3.6896 - accuracy: 0.7594 - val\_loss: 7.6666 - val\_accuracy: 0.5000

Epoch 7/20

1/10 [==>...........................] - ETA: 2:29 - loss: 3.8333 - accuracy: 0.7500

2/10 [=====>........................] - ETA: 2:13 - loss: 4.0729 - accuracy: 0.7344

3/10 [========>.....................] - ETA: 1:56 - loss: 4.7916 - accuracy: 0.6875

4/10 [===========>..................] - ETA: 1:40 - loss: 5.0312 - accuracy: 0.6719

5/10 [==============>...............] - ETA: 1:23 - loss: 4.6958 - accuracy: 0.6938

6/10 [=================>............] - ETA: 1:06 - loss: 4.9514 - accuracy: 0.6771

7/10 [====================>.........] - ETA: 50s - loss: 4.5863 - accuracy: 0.7009

8/10 [=======================>......] - ETA: 33s - loss: 4.7317 - accuracy: 0.6914

9/10 [==========================>...] - ETA: 16s - loss: 4.7384 - accuracy: 0.6910

10/10 [==============================] - 192s 19s/step - loss: 4.5041 - accuracy: 0.7063 - val\_loss: 7.6666 - val\_accuracy: 0.5000

Epoch 8/20

1/10 [==>...........................] - ETA: 2:29 - loss: 5.2708 - accuracy: 0.6562

2/10 [=====>........................] - ETA: 2:13 - loss: 4.3125 - accuracy: 0.7188

3/10 [========>.....................] - ETA: 1:56 - loss: 3.9930 - accuracy: 0.7396

4/10 [===========>..................] - ETA: 1:39 - loss: 3.8333 - accuracy: 0.7500

5/10 [==============>...............] - ETA: 1:23 - loss: 3.7375 - accuracy: 0.7563

6/10 [=================>............] - ETA: 1:06 - loss: 3.8333 - accuracy: 0.7500

7/10 [====================>.........] - ETA: 49s - loss: 3.9018 - accuracy: 0.7455

8/10 [=======================>......] - ETA: 33s - loss: 3.7734 - accuracy: 0.7539

9/10 [==========================>...] - ETA: 16s - loss: 3.8866 - accuracy: 0.7465

10/10 [==============================] - 190s 19s/step - loss: 3.8812 - accuracy: 0.7469 - val\_loss: 7.6666 - val\_accuracy: 0.5000

Epoch 9/20

1/10 [==>...........................] - ETA: 2:30 - loss: 3.8333 - accuracy: 0.7500

2/10 [=====>........................] - ETA: 2:13 - loss: 3.3541 - accuracy: 0.7812

3/10 [========>.....................] - ETA: 1:56 - loss: 3.5139 - accuracy: 0.7708

4/10 [===========>..................] - ETA: 1:39 - loss: 3.2344 - accuracy: 0.7891

5/10 [==============>...............] - ETA: 1:23 - loss: 3.3541 - accuracy: 0.7812

6/10 [=================>............] - ETA: 1:06 - loss: 3.1944 - accuracy: 0.7917

7/10 [====================>.........] - ETA: 49s - loss: 3.3541 - accuracy: 0.7812

8/10 [=======================>......] - ETA: 33s - loss: 3.5937 - accuracy: 0.7656

9/10 [==========================>...] - ETA: 16s - loss: 3.5671 - accuracy: 0.7674

10/10 [==============================] - 191s 19s/step - loss: 3.4979 - accuracy: 0.7719 - val\_loss: 7.6666 - val\_accuracy: 0.5000

Epoch 10/20

1/10 [==>...........................] - ETA: 2:30 - loss: 5.7500 - accuracy: 0.6250

2/10 [=====>........................] - ETA: 2:12 - loss: 4.3125 - accuracy: 0.7188

3/10 [========>.....................] - ETA: 1:56 - loss: 3.5139 - accuracy: 0.7708

4/10 [===========>..................] - ETA: 1:39 - loss: 3.7135 - accuracy: 0.7578

5/10 [==============>...............] - ETA: 1:23 - loss: 3.7375 - accuracy: 0.7563

6/10 [=================>............] - ETA: 1:06 - loss: 3.7534 - accuracy: 0.7552

7/10 [====================>.........] - ETA: 49s - loss: 3.8333 - accuracy: 0.7500

8/10 [=======================>......] - ETA: 33s - loss: 4.1927 - accuracy: 0.7266

9/10 [==========================>...] - ETA: 16s - loss: 3.9398 - accuracy: 0.7431

10/10 [==============================] - 191s 19s/step - loss: 3.9771 - accuracy: 0.7406 - val\_loss: 7.6666 - val\_accuracy: 0.5000

Epoch 11/20

1/10 [==>...........................] - ETA: 2:30 - loss: 2.3958 - accuracy: 0.8438

2/10 [=====>........................] - ETA: 2:13 - loss: 3.5937 - accuracy: 0.7656

3/10 [========>.....................] - ETA: 1:56 - loss: 3.6736 - accuracy: 0.7604

4/10 [===========>..................] - ETA: 1:40 - loss: 3.7135 - accuracy: 0.7578

5/10 [==============>...............] - ETA: 1:23 - loss: 3.7375 - accuracy: 0.7563

6/10 [=================>............] - ETA: 1:06 - loss: 3.7534 - accuracy: 0.7552

7/10 [====================>.........] - ETA: 50s - loss: 3.9018 - accuracy: 0.7455

8/10 [=======================>......] - ETA: 33s - loss: 3.7135 - accuracy: 0.7578

9/10 [==========================>...] - ETA: 16s - loss: 3.6203 - accuracy: 0.7639

10/10 [==============================] - 193s 19s/step - loss: 3.5937 - accuracy: 0.7656 - val\_loss: 7.6666 - val\_accuracy: 0.5000

Epoch 12/20

1/10 [==>...........................] - ETA: 2:33 - loss: 4.3125 - accuracy: 0.7188

2/10 [=====>........................] - ETA: 2:14 - loss: 3.8333 - accuracy: 0.7500

3/10 [========>.....................] - ETA: 1:57 - loss: 3.9930 - accuracy: 0.7396

4/10 [===========>..................] - ETA: 1:40 - loss: 3.8333 - accuracy: 0.7500

5/10 [==============>...............] - ETA: 1:23 - loss: 3.9291 - accuracy: 0.7437

6/10 [=================>............] - ETA: 1:07 - loss: 4.0729 - accuracy: 0.7344

7/10 [====================>.........] - ETA: 50s - loss: 4.4494 - accuracy: 0.7098

8/10 [=======================>......] - ETA: 33s - loss: 4.6718 - accuracy: 0.6953

9/10 [==========================>...] - ETA: 16s - loss: 4.5787 - accuracy: 0.7014

10/10 [==============================] - 192s 19s/step - loss: 4.3604 - accuracy: 0.7156 - val\_loss: 7.6666 - val\_accuracy: 0.5000

Epoch 13/20

1/10 [==>...........................] - ETA: 2:30 - loss: 5.2708 - accuracy: 0.6562

2/10 [=====>........................] - ETA: 2:13 - loss: 4.5521 - accuracy: 0.7031

3/10 [========>.....................] - ETA: 1:56 - loss: 4.4722 - accuracy: 0.7083

4/10 [===========>..................] - ETA: 1:39 - loss: 3.8333 - accuracy: 0.7500

5/10 [==============>...............] - ETA: 1:23 - loss: 3.3541 - accuracy: 0.7812

6/10 [=================>............] - ETA: 1:06 - loss: 3.5139 - accuracy: 0.7708

7/10 [====================>.........] - ETA: 49s - loss: 3.5595 - accuracy: 0.7679

8/10 [=======================>......] - ETA: 33s - loss: 3.4739 - accuracy: 0.7734

9/10 [==========================>...] - ETA: 16s - loss: 3.6736 - accuracy: 0.7604

10/10 [==============================] - 191s 19s/step - loss: 3.6416 - accuracy: 0.7625 - val\_loss: 7.6666 - val\_accuracy: 0.5000

Epoch 14/20

1/10 [==>...........................] - ETA: 2:34 - loss: 1.4375 - accuracy: 0.9062

2/10 [=====>........................] - ETA: 2:17 - loss: 3.1146 - accuracy: 0.7969

3/10 [========>.....................] - ETA: 2:00 - loss: 3.6736 - accuracy: 0.7604

4/10 [===========>..................] - ETA: 1:42 - loss: 3.4739 - accuracy: 0.7734

5/10 [==============>...............] - ETA: 1:26 - loss: 3.4500 - accuracy: 0.7750

6/10 [=================>............] - ETA: 1:08 - loss: 3.5937 - accuracy: 0.7656

7/10 [====================>.........] - ETA: 51s - loss: 3.4910 - accuracy: 0.7723

8/10 [=======================>......] - ETA: 34s - loss: 3.4739 - accuracy: 0.7734

9/10 [==========================>...] - ETA: 17s - loss: 3.6203 - accuracy: 0.7639

10/10 [==============================] - 198s 20s/step - loss: 3.6896 - accuracy: 0.7594 - val\_loss: 7.6666 - val\_accuracy: 0.5000

Epoch 15/20

1/10 [==>...........................] - ETA: 2:36 - loss: 4.3125 - accuracy: 0.7188

2/10 [=====>........................] - ETA: 2:17 - loss: 3.8333 - accuracy: 0.7500

3/10 [========>.....................] - ETA: 1:59 - loss: 3.8333 - accuracy: 0.7500

4/10 [===========>..................] - ETA: 1:41 - loss: 3.5937 - accuracy: 0.7656

5/10 [==============>...............] - ETA: 1:24 - loss: 3.7375 - accuracy: 0.7563

6/10 [=================>............] - ETA: 1:07 - loss: 3.9132 - accuracy: 0.7448

7/10 [====================>.........] - ETA: 50s - loss: 4.2440 - accuracy: 0.7232

8/10 [=======================>......] - ETA: 33s - loss: 3.9531 - accuracy: 0.7422

9/10 [==========================>...] - ETA: 16s - loss: 3.8866 - accuracy: 0.7465

10/10 [==============================] - 193s 19s/step - loss: 4.1687 - accuracy: 0.7281 - val\_loss: 7.6666 - val\_accuracy: 0.5000

Epoch 16/20

1/10 [==>...........................] - ETA: 2:34 - loss: 3.8333 - accuracy: 0.7500

2/10 [=====>........................] - ETA: 2:15 - loss: 4.3125 - accuracy: 0.7188

3/10 [========>.....................] - ETA: 1:58 - loss: 3.5139 - accuracy: 0.7708

4/10 [===========>..................] - ETA: 1:40 - loss: 3.1146 - accuracy: 0.7969

5/10 [==============>...............] - ETA: 1:23 - loss: 2.9708 - accuracy: 0.8062

6/10 [=================>............] - ETA: 1:07 - loss: 2.9548 - accuracy: 0.8073

7/10 [====================>.........] - ETA: 50s - loss: 3.2857 - accuracy: 0.7857

8/10 [=======================>......] - ETA: 33s - loss: 3.2344 - accuracy: 0.7891

9/10 [==========================>...] - ETA: 16s - loss: 3.4606 - accuracy: 0.7743

10/10 [==============================] - 191s 19s/step - loss: 3.4979 - accuracy: 0.7719 - val\_loss: 7.6666 - val\_accuracy: 0.5000

Epoch 17/20

1/10 [==>...........................] - ETA: 2:34 - loss: 6.2291 - accuracy: 0.5938

2/10 [=====>........................] - ETA: 2:15 - loss: 5.0312 - accuracy: 0.6719

3/10 [========>.....................] - ETA: 1:59 - loss: 4.4722 - accuracy: 0.7083

4/10 [===========>..................] - ETA: 1:42 - loss: 4.3125 - accuracy: 0.7188

5/10 [==============>...............] - ETA: 1:24 - loss: 4.2166 - accuracy: 0.7250

6/10 [=================>............] - ETA: 1:07 - loss: 4.0729 - accuracy: 0.7344

7/10 [====================>.........] - ETA: 50s - loss: 4.0387 - accuracy: 0.7366

8/10 [=======================>......] - ETA: 33s - loss: 4.1328 - accuracy: 0.7305

9/10 [==========================>...] - ETA: 16s - loss: 4.2592 - accuracy: 0.7222

10/10 [==============================] - 192s 19s/step - loss: 4.2166 - accuracy: 0.7250 - val\_loss: 7.6666 - val\_accuracy: 0.5000

Epoch 18/20

1/10 [==>...........................] - ETA: 2:29 - loss: 5.7500 - accuracy: 0.6250

2/10 [=====>........................] - ETA: 2:12 - loss: 4.7916 - accuracy: 0.6875

3/10 [========>.....................] - ETA: 1:56 - loss: 4.7916 - accuracy: 0.6875

4/10 [===========>..................] - ETA: 1:39 - loss: 4.4323 - accuracy: 0.7109

5/10 [==============>...............] - ETA: 1:22 - loss: 4.6958 - accuracy: 0.6938

6/10 [=================>............] - ETA: 1:06 - loss: 4.7118 - accuracy: 0.6927

7/10 [====================>.........] - ETA: 49s - loss: 4.7232 - accuracy: 0.6920

8/10 [=======================>......] - ETA: 33s - loss: 4.6718 - accuracy: 0.6953

9/10 [==========================>...] - ETA: 16s - loss: 4.6852 - accuracy: 0.6944

10/10 [==============================] - 190s 19s/step - loss: 4.6479 - accuracy: 0.6969 - val\_loss: 7.6666 - val\_accuracy: 0.5000

Epoch 19/20

1/10 [==>...........................] - ETA: 2:29 - loss: 3.8333 - accuracy: 0.7500

2/10 [=====>........................] - ETA: 2:12 - loss: 2.3958 - accuracy: 0.8438

3/10 [========>.....................] - ETA: 1:56 - loss: 2.5555 - accuracy: 0.8333

4/10 [===========>..................] - ETA: 1:39 - loss: 3.1146 - accuracy: 0.7969

5/10 [==============>...............] - ETA: 1:23 - loss: 3.8333 - accuracy: 0.7500

6/10 [=================>............] - ETA: 1:06 - loss: 3.8333 - accuracy: 0.7500

7/10 [====================>.........] - ETA: 49s - loss: 3.7649 - accuracy: 0.7545

8/10 [=======================>......] - ETA: 33s - loss: 3.7734 - accuracy: 0.7539

9/10 [==========================>...] - ETA: 16s - loss: 3.6736 - accuracy: 0.7604

10/10 [==============================] - 190s 19s/step - loss: 3.7375 - accuracy: 0.7563 - val\_loss: 7.6666 - val\_accuracy: 0.5000

Epoch 20/20

1/10 [==>...........................] - ETA: 2:29 - loss: 3.8333 - accuracy: 0.7500

2/10 [=====>........................] - ETA: 2:12 - loss: 4.0729 - accuracy: 0.7344

3/10 [========>.....................] - ETA: 1:56 - loss: 4.3125 - accuracy: 0.7188

4/10 [===========>..................] - ETA: 1:39 - loss: 4.0729 - accuracy: 0.7344

5/10 [==============>...............] - ETA: 1:22 - loss: 3.6416 - accuracy: 0.7625

6/10 [=================>............] - ETA: 1:06 - loss: 3.7534 - accuracy: 0.7552

7/10 [====================>.........] - ETA: 50s - loss: 3.8333 - accuracy: 0.7500

8/10 [=======================>......] - ETA: 33s - loss: 3.5338 - accuracy: 0.7695

9/10 [==========================>...] - ETA: 16s - loss: 3.5671 - accuracy: 0.7674

10/10 [==============================] - 190s 19s/step - loss: 3.6896 - accuracy: 0.7594 - val\_loss: 7.6666 - val\_accuracy: 0.5000

Process finished with exit code 0