```
 1 C:\Users\Ghafo\Desktop\projects\
   MachineLearningAttempt2nd\venv\Scripts\python.exe C:\
   Users\Ghafo\Desktop\projects\
   MachineLearningAttempt2nd\main.py
 2 Epoch 1/25
 3 76/76 [==============================] - 14s 182ms/
   step - loss: 0.4492 - accuracy: 0.8000 - val_loss: 0.
   9232 - val_accuracy: 0.6250
 4 Epoch 2/25
 5 76/76 [==============================] - 14s 182ms/
   step - loss: 0.2301 - accuracy: 0.9150 - val_loss: 0.
   4466 - val_accuracy: 0.7500
 6 Epoch 3/25
 7 76/76 [==============================] - 14s 183ms/
   step - loss: 0.1395 - accuracy: 0.9451 - val_loss: 0.
   4780 - val_accuracy: 0.7500
 8 Epoch 4/25
 9 76/76 [==============================] - 14s 183ms/
   step - loss: 0.1212 - accuracy: 0.9558 - val_loss: 0.
   2697 - val_accuracy: 0.9375
10 Epoch 5/25
11 76/76 [==============================] - 14s 182ms/
   step - loss: 0.1137 - accuracy: 0.9549 - val_loss: 0.
   2598 - val_accuracy: 0.8750
12 Epoch 6/25
13 76/76 [==============================] - 14s 183ms/
   step - loss: 0.1028 - accuracy: 0.9637 - val_loss: 0.
   4553 - val_accuracy: 0.7500
14 Epoch 7/25
15 76/76 [==============================] - 14s 182ms/
   step - loss: 0.1046 - accuracy: 0.9655 - val_loss: 0.
   4044 - val_accuracy: 0.8125
16 Epoch 8/25
17 76/76 [==============================] - 14s 182ms/
   step - loss: 0.0820 - accuracy: 0.9717 - val_loss: 0.
   4106 - val_accuracy: 0.8750
18 Epoch 9/25
19 76/76 [==============================] - 14s 190ms/
   step - loss: 0.0935 - accuracy: 0.9681 - val_loss: 0.
   4848 - val_accuracy: 0.8125
20 Epoch 10/25
```

```
21 76/76 [==============================] - 14s 178ms/
   step - loss: 0.0921 - accuracy: 0.9681 - val_loss: 0.
   6091 - val_accuracy: 0.6875
22 Model: "sequential"
23 _____
   _____
24  Layer (type)                 Output Shape
                Param #
25 =================================================
   ============
26  conv2d (Conv2D)              (None, 148, 148, 64
   )      640
27

28  activation (Activation)      (None, 148, 148, 64
   )        0
29

30  max_pooling2d (MaxPooling2   (None, 74, 74, 64
   )          0
31  D
   )

32

33  conv2d_1 (Conv2D)            (None, 72, 72, 64
   )        36928
34

35  activation_1 (Activation)    (None, 72, 72, 64
   )          0
36

37  max_pooling2d_1 (MaxPoolin   (None, 36, 36, 64
   )          0
38  g2D
   )

39

40  conv2d_2 (Conv2D)            (None, 34, 34, 64
```

```
40 )            36928
41

42  activation_2 (Activation)    (None, 34, 34, 64
    )          0
43

44  max_pooling2d_2 (MaxPoolin   (None, 17, 17, 64
    )          0
45  g2D
    )

46

47  conv2d_3 (Conv2D)            (None, 15, 15, 64
    )          36928
48

49  activation_3 (Activation)    (None, 15, 15, 64
    )          0
50

51  max_pooling2d_3 (MaxPoolin   (None, 7, 7, 64
    )            0
52  g2D
    )

53

54  flatten (Flatten)            (None, 3136
    )               0
55

56  dense (Dense)                (None, 512
    )              1606144
57

58  dense_1 (Dense)              (None, 1
    )                513
59
```

```
60  activation_4 (Activation)   (None, 1
    )                      0
61


62  ========================================================
    =============
63  Total params: 1718081 (6.55 MB)
64  Trainable params: 1718081 (6.55 MB)
65  Non-trainable params: 0 (0.00 Byte)
66  _____
    _____
67  15/15 [==============================] - 1s 84ms/
    step - loss: 0.8875 - accuracy: 0.7457
68
69  Process finished with exit code 0
70
```