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1 C:\Users\Lenovo\AppData\Local\Programs\Python\
  Python39\python.exe D:/2022-Automated-test/
  FaceRecognition/faceRecognition/train_model.py
2 2022-12-01 22:19:55.702545: I tensorflow/core/
  platform/cpu_feature_guard.cc:193] This TensorFlow
  binary is optimized with oneAPI Deep Neural Network
  Library (oneDNN) to use the following CPU
  instructions in performance-critical operations:  AVX
  AVX2
3 To enable them in other operations, rebuild
  TensorFlow with the appropriate compiler flags.
4 Model: "sequential"
5 -----
6 Layer (type)                Output Shape
   Param #
7 =====
8 conv2d (Conv2D)              (None, 1, 128, 32
   )                102432
9
10 activation (Activation)      (None, 1, 128, 32
   )                0
11
12 max_pooling2d (MaxPooling2D  (None, 1, 64, 32
   )                0
13 )
14
15 dropout (Dropout)            (None, 1, 64, 32
   )                0
16
17 conv2d_1 (Conv2D)            (None, 1, 64, 64
   )                51264
18
19 activation_1 (Activation)     (None, 1, 64, 64

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19 )          0
20
21 max_pooling2d_1 (MaxPooling (None, 1, 32, 64
   )          0
22 2D
   )
23
24 dropout_1 (Dropout)          (None, 1, 32, 64
   )          0
25
26 conv2d_2 (Conv2D)          (None, 1, 32, 64
   )          102464
27
28 activation_2 (Activation)    (None, 1, 32, 64
   )          0
29
30 max_pooling2d_2 (MaxPooling (None, 1, 16, 64
   )          0
31 2D
   )
32
33 dropout_2 (Dropout)          (None, 1, 16, 64
   )          0
34
35 conv2d_3 (Conv2D)          (None, 1, 16, 64
   )          102464
36
37 activation_3 (Activation)    (None, 1, 16, 64
   )          0
38
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39 C:\Users\Lenovo\AppData\Local\Programs\Python\
   Python39\lib\site-packages\keras\optimizers\
   optimizer_v2\gradient_descent.py:114: UserWarning:
   The `lr` argument is deprecated, use `learning_rate`
   instead.
40     super().__init__(name, **kwargs)
41     max_pooling2d_3 (MaxPooling (None, 1, 8, 64
   )                0
42     2D
   )

43

44     dropout_3 (Dropout)                (None, 1, 8, 64
   )                0
45

46     flatten (Flatten)                  (None, 512
   )                0
47

48     dense (Dense)                      (None, 512
   )                262656
49

50     activation_4 (Activation)          (None, 512
   )                0
51

52     dropout_4 (Dropout)                (None, 512
   )                0
53

54     dense_1 (Dense)                    (None, 2
   )                1026
55

56     activation_5 (Activation)          (None, 2
   )                0
57

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58 =====
   =====
59 Total params: 622,306
60 Trainable params: 622,306
61 Non-trainable params: 0
62 -----
   -----
63 Epoch 1/20
64 23/23 [=====] - 1s 17ms/step
   - loss: 0.6950 - accuracy: 0.5435
65 Epoch 2/20
66 23/23 [=====] - 1s 24ms/step
   - loss: 0.6856 - accuracy: 0.5707
67 Epoch 3/20
68 23/23 [=====] - 1s 29ms/step
   - loss: 0.6736 - accuracy: 0.6033
69 Epoch 4/20
70 23/23 [=====] - 1s 29ms/step
   - loss: 0.6698 - accuracy: 0.6087
71 Epoch 5/20
72 23/23 [=====] - 1s 30ms/step
   - loss: 0.6336 - accuracy: 0.6250
73 Epoch 6/20
74 23/23 [=====] - 1s 32ms/step
   - loss: 0.6009 - accuracy: 0.6848
75 Epoch 7/20
76 23/23 [=====] - 1s 28ms/step
   - loss: 0.6082 - accuracy: 0.6685
77 Epoch 8/20
78 23/23 [=====] - 1s 27ms/step
   - loss: 0.5572 - accuracy: 0.7120
79 Epoch 9/20
80 23/23 [=====] - 1s 28ms/step
   - loss: 0.5716 - accuracy: 0.6685
81 Epoch 10/20
82 23/23 [=====] - 1s 30ms/step
   - loss: 0.5484 - accuracy: 0.7228
83 Epoch 11/20
84 23/23 [=====] - 1s 25ms/step
   - loss: 0.6169 - accuracy: 0.6685
85 Epoch 12/20

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86 23/23 [=====] - 1s 27ms/  
    step - loss: 0.5620 - accuracy: 0.7065  
87 Epoch 13/20  
88 23/23 [=====] - 1s 28ms/  
    step - loss: 0.5545 - accuracy: 0.7500  
89 Epoch 14/20  
90 23/23 [=====] - 1s 26ms/  
    step - loss: 0.5504 - accuracy: 0.7065  
91 Epoch 15/20  
92 23/23 [=====] - 1s 28ms/  
    step - loss: 0.5417 - accuracy: 0.6576  
93 Epoch 16/20  
94 23/23 [=====] - 1s 26ms/  
    step - loss: 0.5880 - accuracy: 0.7500  
95 Epoch 17/20  
96 23/23 [=====] - 1s 25ms/  
    step - loss: 0.5312 - accuracy: 0.7554  
97 Epoch 18/20  
98 23/23 [=====] - 1s 26ms/  
    step - loss: 0.5637 - accuracy: 0.7120  
99 Epoch 19/20  
100 23/23 [=====] - 1s 28ms/  
    step - loss: 0.5503 - accuracy: 0.7337  
101 Epoch 20/20  
102 23/23 [=====] - 1s 24ms/  
    step - loss: 0.5184 - accuracy: 0.7174  
103  
104 Testing-----  
105 2/2 [=====] - 0s 10ms/step  
    - loss: 0.3408 - accuracy: 0.8913  
106 test loss; 0.34075698256492615  
107 test accuracy: 0.8913043737411499  
108 Model Saved.  
109  
110 Process finished with exit code 0  
111
```