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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 15:53:07.174310: 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 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.
5     super().__init__(name, **kwargs)
6 Model: "sequential"
7 -----
8 Layer (type)                Output Shape
9 Param #
10 =====
11 conv2d (Conv2D)              (None, 1, 128, 32)
12                               102432
13
14 activation (Activation)      (None, 1, 128, 32)
15                               0
16
17 max_pooling2d (MaxPooling2D) (None, 1, 64, 32)
18                               0
19
20 dropout (Dropout)            (None, 1, 64, 32)
21                               0

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18
19 conv2d_1 (Conv2D)          (None, 1, 64, 64
   )          51264
20
21 activation_1 (Activation)   (None, 1, 64, 64
   )          0
22
23 max_pooling2d_1 (MaxPooling (None, 1, 32, 64
   )          0
24 2D
   )
25
26 dropout_1 (Dropout)        (None, 1, 32, 64
   )          0
27
28 conv2d_2 (Conv2D)          (None, 1, 32, 64
   )          102464
29
30 activation_2 (Activation)   (None, 1, 32, 64
   )          0
31
32 max_pooling2d_2 (MaxPooling (None, 1, 16, 64
   )          0
33 2D
   )
34
35 dropout_2 (Dropout)        (None, 1, 16, 64
   )          0
36
37 conv2d_3 (Conv2D)          (None, 1, 16, 64
   )          102464
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38
39  activation_3 (Activation)      (None, 1, 16, 64
   )                          0
40
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, 3
   )                          1539
55
56  activation_5 (Activation)      (None, 3
   )                          0
57

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58 =====
   =====
59 Total params: 622,819
60 Trainable params: 622,819
61 Non-trainable params: 0
62 -----
   -----
63 Epoch 1/20
64 24/24 [=====] - 2s 27ms/step
   - loss: 1.1010 - accuracy: 0.2857
65 Epoch 2/20
66 24/24 [=====] - 1s 34ms/step
   - loss: 1.0968 - accuracy: 0.3357
67 Epoch 3/20
68 24/24 [=====] - 1s 35ms/step
   - loss: 1.0901 - accuracy: 0.4107
69 Epoch 4/20
70 24/24 [=====] - 1s 35ms/step
   - loss: 1.0735 - accuracy: 0.4214
71 Epoch 5/20
72 24/24 [=====] - 1s 36ms/step
   - loss: 1.0354 - accuracy: 0.4464
73 Epoch 6/20
74 24/24 [=====] - 1s 35ms/step
   - loss: 0.9743 - accuracy: 0.5000
75 Epoch 7/20
76 24/24 [=====] - 1s 35ms/step
   - loss: 0.9927 - accuracy: 0.5000
77 Epoch 8/20
78 24/24 [=====] - 1s 32ms/step
   - loss: 0.9777 - accuracy: 0.5250
79 Epoch 9/20
80 24/24 [=====] - 1s 35ms/step
   - loss: 0.9738 - accuracy: 0.5464
81 Epoch 10/20
82 24/24 [=====] - 1s 35ms/step
   - loss: 0.9534 - accuracy: 0.5393
83 Epoch 11/20
84 24/24 [=====] - 1s 34ms/step
   - loss: 1.0087 - accuracy: 0.4679
85 Epoch 12/20
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86 24/24 [=====] - 1s 37ms/  
    step - loss: 1.0109 - accuracy: 0.5107  
87 Epoch 13/20  
88 24/24 [=====] - 1s 36ms/  
    step - loss: 0.9929 - accuracy: 0.5393  
89 Epoch 14/20  
90 24/24 [=====] - 1s 32ms/  
    step - loss: 0.9534 - accuracy: 0.5607  
91 Epoch 15/20  
92 24/24 [=====] - 1s 35ms/  
    step - loss: 0.9926 - accuracy: 0.5393  
93 Epoch 16/20  
94 24/24 [=====] - 1s 35ms/  
    step - loss: 0.9196 - accuracy: 0.5643  
95 Epoch 17/20  
96 24/24 [=====] - 1s 33ms/  
    step - loss: 0.9588 - accuracy: 0.5679  
97 Epoch 18/20  
98 24/24 [=====] - 1s 33ms/  
    step - loss: 0.9509 - accuracy: 0.5393  
99 Epoch 19/20  
100 24/24 [=====] - 1s 35ms/  
    step - loss: 0.9367 - accuracy: 0.6036  
101 Epoch 20/20  
102 24/24 [=====] - 1s 33ms/  
    step - loss: 0.9152 - accuracy: 0.6000  
103  
104 Testing-----  
105 3/3 [=====] - 0s 10ms/step  
    - loss: 0.8481 - accuracy: 0.6000  
106 test loss; 0.8481236100196838  
107 test accuracy: 0.6000000238418579  
108 Model Saved.  
109  
110 Process finished with exit code 0  
111
```