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1 E:\miniconda3\envs\pytorch\python.exe E:\desktop\
  DeepLearning\cat_vs_dog\resnet18_CBAM.py
2 Epoch 1/20
3 -----
4 Training: 100%|██████████| 547/547 [00:55<00:00,  9.
  85it/s]
5 Train Loss: 0.2255 Acc: 0.8974
6 Validating: 100%|██████████| 157/157 [00:20<00:00,  7
  .48it/s]
7 Val Loss: 0.1645 Acc: 0.9302
8 Training:   0%|          | 0/547 [00:00<?, ?it/s]
  Epoch 2/20
9 -----
10 Training: 100%|██████████| 547/547 [01:07<00:00,  8.
  10it/s]
11 Validating:   0%|          | 0/157 [00:00<?, ?it/s]
  Train Loss: 0.2168 Acc: 0.9032
12 Validating: 100%|██████████| 157/157 [00:22<00:00,  7
  .05it/s]
13 Val Loss: 0.1731 Acc: 0.9272
14 Epoch 3/20
15 -----
16 Training: 100%|██████████| 547/547 [01:13<00:00,  7.
  46it/s]
17 Train Loss: 0.2126 Acc: 0.9047
18 Validating: 100%|██████████| 157/157 [00:22<00:00,  7
  .07it/s]
19 Training:   0%|          | 0/547 [00:00<?, ?it/s]Val
  Loss: 0.1852 Acc: 0.9246
20 Epoch 4/20
21 -----
22 Training: 100%|██████████| 547/547 [01:14<00:00,  7.
  36it/s]
23 Validating:   0%|          | 0/157 [00:00<?, ?it/s]
  Train Loss: 0.2061 Acc: 0.9087
24 Validating: 100%|██████████| 157/157 [00:23<00:00,  6
  .78it/s]
25 Val Loss: 0.1421 Acc: 0.9412
26 Epoch 5/20
27 -----
28 Training: 100%|██████████| 547/547 [01:14<00:00,  7.

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28 38it/s]
29 Train Loss: 0.2107 Acc: 0.9073
30 Validating: 100%|██████████| 157/157 [00:26<00:00, 5
    .98it/s]
31 Training: 0%|██████████| 0/547 [00:00<?, ?it/s]Val
    Loss: 0.1434 Acc: 0.9396
32 Epoch 6/20
33 -----
34 Training: 100%|██████████| 547/547 [01:17<00:00, 7.
    06it/s]
35 Train Loss: 0.2057 Acc: 0.9073
36 Validating: 100%|██████████| 157/157 [00:22<00:00, 6
    .94it/s]
37 Training: 0%|██████████| 0/547 [00:00<?, ?it/s]Val
    Loss: 0.1585 Acc: 0.9360
38 Epoch 7/20
39 -----
40 Training: 100%|██████████| 547/547 [01:15<00:00, 7.
    27it/s]
41 Validating: 0%|██████████| 0/157 [00:00<?, ?it/s]
    Train Loss: 0.2052 Acc: 0.9059
42 Validating: 100%|██████████| 157/157 [00:22<00:00, 6
    .89it/s]
43 Val Loss: 0.1392 Acc: 0.9452
44 Training: 0%|██████████| 0/547 [00:00<?, ?it/s]
    Epoch 8/20
45 -----
46 Training: 100%|██████████| 547/547 [01:14<00:00, 7.
    34it/s]
47 Train Loss: 0.2010 Acc: 0.9128
48 Validating: 100%|██████████| 157/157 [00:23<00:00, 6
    .70it/s]
49 Training: 0%|██████████| 0/547 [00:00<?, ?it/s]Val
    Loss: 0.1494 Acc: 0.9358
50 Epoch 9/20
51 -----
52 Training: 100%|██████████| 547/547 [01:16<00:00, 7.
    15it/s]
53 Train Loss: 0.1993 Acc: 0.9114
54 Validating: 100%|██████████| 157/157 [00:23<00:00, 6
    .73it/s]

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55 Training:  0%|          | 0/547 [00:00<?, ?it/s]Val
    Loss: 0.1868 Acc: 0.9336
56 Epoch 10/20
57 -----
58 Training: 100%|██████████| 547/547 [01:16<00:00,  7.
    16it/s]
59 Train Loss: 0.2031 Acc: 0.9068
60 Validating: 100%|██████████| 157/157 [00:24<00:00,  6
    .50it/s]
61 Val Loss: 0.1450 Acc: 0.9394
62 Epoch 11/20
63 -----
64 Training: 100%|██████████| 547/547 [01:15<00:00,  7.
    22it/s]
65 Validating:  0%|          | 0/157 [00:00<?, ?it/s]
    Train Loss: 0.1971 Acc: 0.9115
66 Validating: 100%|██████████| 157/157 [00:22<00:00,  6
    .90it/s]
67 Val Loss: 0.1424 Acc: 0.9440
68 Epoch 12/20
69 -----
70 Training: 100%|██████████| 547/547 [01:14<00:00,  7.
    33it/s]
71 Validating:  0%|          | 0/157 [00:00<?, ?it/s]
    Train Loss: 0.1701 Acc: 0.9220
72 Validating: 100%|██████████| 157/157 [00:23<00:00,  6
    .72it/s]
73 Val Loss: 0.1242 Acc: 0.9492
74 Training:  0%|          | 0/547 [00:00<?, ?it/s]
    Epoch 13/20
75 -----
76 Training: 100%|██████████| 547/547 [01:15<00:00,  7.
    25it/s]
77 Validating:  0%|          | 0/157 [00:00<?, ?it/s]
    Train Loss: 0.1609 Acc: 0.9293
78 Validating: 100%|██████████| 157/157 [00:23<00:00,  6
    .63it/s]
79 Val Loss: 0.1210 Acc: 0.9502
80 Epoch 14/20
81 -----
82 Training: 100%|██████████| 547/547 [01:16<00:00,  7.

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82 11it/s]
83 Validating:  0%|          | 0/157 [00:00<?, ?it/s]
   Train Loss: 0.1548 Acc: 0.9324
84 Validating: 100%|██████████| 157/157 [00:22<00:00,
   7.05it/s]
85 Val Loss: 0.1148 Acc: 0.9538
86 Epoch 15/20
87 -----
88 Training: 100%|██████████| 547/547 [01:14<00:00,  7.
   35it/s]
89 Train Loss: 0.1498 Acc: 0.9365
90 Validating: 100%|██████████| 157/157 [00:22<00:00,
   6.97it/s]
91 Val Loss: 0.1170 Acc: 0.9530
92 Epoch 16/20
93 -----
94 Training: 100%|██████████| 547/547 [01:15<00:00,  7.
   25it/s]
95 Train Loss: 0.1503 Acc: 0.9347
96 Validating: 100%|██████████| 157/157 [00:25<00:00,
   6.11it/s]
97 Val Loss: 0.1147 Acc: 0.9532
98 Epoch 17/20
99 -----
100 Training: 100%|██████████| 547/547 [01:18<00:00,  7.
   01it/s]
101 Validating:  0%|          | 0/157 [00:00<?, ?it/s]
   Train Loss: 0.1497 Acc: 0.9342
102 Validating: 100%|██████████| 157/157 [00:22<00:00,
   7.01it/s]
103 Training:  0%|          | 0/547 [00:00<?, ?it/s]Val
   Loss: 0.1154 Acc: 0.9538
104 Epoch 18/20
105 -----
106 Training: 100%|██████████| 547/547 [01:15<00:00,  7.
   21it/s]
107 Train Loss: 0.1502 Acc: 0.9338
108 Validating: 100%|██████████| 157/157 [00:22<00:00,
   7.07it/s]
109 Val Loss: 0.1159 Acc: 0.9546
110 Training:  0%|          | 0/547 [00:00<?, ?it/s]

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110 Epoch 19/20
111 -----
112 Training: 100%|██████████| 547/547 [01:15<00:00, 7.
    25it/s]
113 Validating: 0%|          | 0/157 [00:00<?, ?it/s]
    Train Loss: 0.1486 Acc: 0.9365
114 Validating: 100%|██████████| 157/157 [00:22<00:00,
    7.04it/s]
115 Training: 0%|          | 0/547 [00:00<?, ?it/s]Val
    Loss: 0.1110 Acc: 0.9544
116 Epoch 20/20
117 -----
118 Training: 100%|██████████| 547/547 [01:14<00:00, 7.
    32it/s]
119 Validating: 0%|          | 0/157 [00:00<?, ?it/s]
    Train Loss: 0.1487 Acc: 0.9365
120 Validating: 100%|██████████| 157/157 [00:23<00:00,
    6.75it/s]
121 Val Loss: 0.1120 Acc: 0.9548
122 Traceback (most recent call last):
123   File "E:\desktop\DeepLearning\cat_vs_dog\
    resnet18_CBAM.py", line 359, in <module>
124     model = train_model(model, criterion, optimizer
    , num_epochs=20)
125   File "E:\desktop\DeepLearning\cat_vs_dog\
    resnet18_CBAM.py", line 323, in train_model
126     plt.plot(train_accs, label='Train Acc')
127   File "E:\miniconda3\envs\pytorch\Lib\site-packages
    \matplotlib\pyplot.py", line 3794, in plot
128     return gca().plot(
129   File "E:\miniconda3\envs\pytorch\Lib\site-packages
    \matplotlib\axes\_axes.py", line 1779, in plot
130     lines = [*self._get_lines(self, *args, data=data
    , **kwargs)]
131   File "E:\miniconda3\envs\pytorch\Lib\site-packages
    \matplotlib\axes\_base.py", line 296, in __call__
132     yield from self._plot_args(
133   File "E:\miniconda3\envs\pytorch\Lib\site-packages
    \matplotlib\axes\_base.py", line 478, in _plot_args
134     x, y = index_of(xy[-1])
135   File "E:\miniconda3\envs\pytorch\Lib\site-packages

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135 \matplotlib\cbook.py", line 1719, in index_of
136     y = _check_1d(y)
137     File "E:\miniconda3\envs\pytorch\Lib\site-packages
      \matplotlib\cbook.py", line 1411, in _check_1d
138         return np.atleast_1d(x)
139     File "E:\miniconda3\envs\pytorch\Lib\site-packages
      \numpy\core\shape_base.py", line 65, in atleast_1d
140         ary = asanyarray(ary)
141     File "E:\miniconda3\envs\pytorch\Lib\site-packages
      \torch\_tensor.py", line 1225, in __array__
142         return self.numpy()
143 TypeError: can't convert cuda:0 device type tensor
      to numpy. Use Tensor.cpu() to copy the tensor to
      host memory first.
144
145 ██████████ 1
146

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