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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 [00:57<00:00,  9.
  45it/s]
5 Validating:   0%|          | 0/157 [00:00<?, ?it/s]
  Train Loss: 0.3090 Acc: 0.8610
6 Validating: 100%|██████████| 157/157 [00:21<00:00,  7
  .45it/s]
7 Val Loss: 0.2120 Acc: 0.9084
8 Training:   0%|          | 0/547 [00:00<?, ?it/s]
  Epoch 2/20
9 -----
10 Training: 100%|██████████| 547/547 [00:56<00:00,  9.
  62it/s]
11 Train Loss: 0.3013 Acc: 0.8647
12 Validating: 100%|██████████| 157/157 [00:21<00:00,  7
  .43it/s]
13 Val Loss: 0.2124 Acc: 0.8998
14 Epoch 3/20
15 -----
16 Training: 100%|██████████| 547/547 [00:56<00:00,  9.
  67it/s]
17 Train Loss: 0.2960 Acc: 0.8665
18 Validating: 100%|██████████| 157/157 [00:20<00:00,  7
  .51it/s]
19 Val Loss: 0.1967 Acc: 0.9150
20 Epoch 4/20
21 -----
22 Training: 100%|██████████| 547/547 [00:56<00:00,  9.
  68it/s]
23 Validating:   0%|          | 0/157 [00:00<?, ?it/s]
  Train Loss: 0.2953 Acc: 0.8643
24 Validating: 100%|██████████| 157/157 [00:22<00:00,  7
  .05it/s]
25 Training:   0%|          | 0/547 [00:00<?, ?it/s] Val
  Loss: 0.2150 Acc: 0.9070
26 Epoch 5/20
27 -----
28 Training: 100%|██████████| 547/547 [00:57<00:00,  9.

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28 50it/s]
29 Validating: 0%|          | 0/157 [00:00<?, ?it/s]
   Train Loss: 0.2780 Acc: 0.8736
30 Validating: 100%|██████████| 157/157 [00:22<00:00, 6
   .87it/s]
31 Val Loss: 0.2033 Acc: 0.9156
32 Epoch 6/20
33 -----
34 Training: 100%|██████████| 547/547 [00:57<00:00, 9.
   49it/s]
35 Validating: 0%|          | 0/157 [00:00<?, ?it/s]
   Train Loss: 0.2736 Acc: 0.8765
36 Validating: 100%|██████████| 157/157 [00:22<00:00, 6
   .88it/s]
37 Training: 0%|          | 0/547 [00:00<?, ?it/s]Val
   Loss: 0.2140 Acc: 0.9064
38 Epoch 7/20
39 -----
40 Training: 100%|██████████| 547/547 [00:57<00:00, 9.
   53it/s]
41 Validating: 0%|          | 0/157 [00:00<?, ?it/s]
   Train Loss: 0.2671 Acc: 0.8769
42 Validating: 100%|██████████| 157/157 [00:21<00:00, 7
   .19it/s]
43 Val Loss: 0.1912 Acc: 0.9178
44 Training: 0%|          | 0/547 [00:00<?, ?it/s]
   Epoch 8/20
45 -----
46 Training: 100%|██████████| 547/547 [00:57<00:00, 9.
   57it/s]
47 Train Loss: 0.2699 Acc: 0.8791
48 Validating: 100%|██████████| 157/157 [00:21<00:00, 7
   .31it/s]
49 Val Loss: 0.1945 Acc: 0.9156
50 Epoch 9/20
51 -----
52 Training: 100%|██████████| 547/547 [00:56<00:00, 9.
   62it/s]
53 Validating: 0%|          | 0/157 [00:00<?, ?it/s]
   Train Loss: 0.2592 Acc: 0.8849
54 Validating: 100%|██████████| 157/157 [00:21<00:00, 7

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54 .45it/s]
55 Val Loss: 0.1749 Acc: 0.9222
56 Training: 0%|          | 0/547 [00:00<?, ?it/s]
    Epoch 10/20
57 -----
58 Training: 100%|██████████| 547/547 [00:56<00:00, 9.
    64it/s]
59 Validating: 0%|          | 0/157 [00:00<?, ?it/s]
    Train Loss: 0.2522 Acc: 0.8898
60 Validating: 100%|██████████| 157/157 [00:21<00:00, 7
    .42it/s]
61 Val Loss: 0.1657 Acc: 0.9270
62 Epoch 11/20
63 -----
64 Training: 100%|██████████| 547/547 [00:57<00:00, 9.
    59it/s]
65 Validating: 0%|          | 0/157 [00:00<?, ?it/s]
    Train Loss: 0.2463 Acc: 0.8894
66 Validating: 100%|██████████| 157/157 [00:21<00:00, 7
    .37it/s]
67 Val Loss: 0.1797 Acc: 0.9256
68 Epoch 12/20
69 -----
70 Training: 100%|██████████| 547/547 [00:56<00:00, 9.
    63it/s]
71 Validating: 0%|          | 0/157 [00:00<?, ?it/s]
    Train Loss: 0.2523 Acc: 0.8864
72 Validating: 100%|██████████| 157/157 [00:22<00:00, 6
    .96it/s]
73 Val Loss: 0.1748 Acc: 0.9272
74 Training: 0%|          | 0/547 [00:00<?, ?it/s]
    Epoch 13/20
75 -----
76 Training: 100%|██████████| 547/547 [00:57<00:00, 9.
    53it/s]
77 Validating: 0%|          | 0/157 [00:00<?, ?it/s]
    Train Loss: 0.2426 Acc: 0.8933
78 Validating: 100%|██████████| 157/157 [00:21<00:00, 7
    .22it/s]
79 Val Loss: 0.1775 Acc: 0.9226
80 Epoch 14/20

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81 -----
82 Training: 100%|██████████| 547/547 [00:57<00:00, 9.
    51it/s]
83 Train Loss: 0.2391 Acc: 0.8914
84 Validating: 100%|██████████| 157/157 [00:22<00:00,
    7.00it/s]
85 Val Loss: 0.1625 Acc: 0.9290
86 Training: 0%|          | 0/547 [00:00<?, ?it/s]
    Epoch 15/20
87 -----
88 Training: 100%|██████████| 547/547 [00:56<00:00, 9.
    60it/s]
89 Validating: 0%|          | 0/157 [00:00<?, ?it/s]
    Train Loss: 0.2340 Acc: 0.8927
90 Validating: 100%|██████████| 157/157 [00:20<00:00,
    7.61it/s]
91 Val Loss: 0.1585 Acc: 0.9292
92 Training: 0%|          | 0/547 [00:00<?, ?it/s]
    Epoch 16/20
93 -----
94 Training: 100%|██████████| 547/547 [00:56<00:00, 9.
    61it/s]
95 Validating: 0%|          | 0/157 [00:00<?, ?it/s]
    Train Loss: 0.2367 Acc: 0.8931
96 Validating: 100%|██████████| 157/157 [00:21<00:00,
    7.29it/s]
97 Training: 0%|          | 0/547 [00:00<?, ?it/s]Val
    Loss: 0.1655 Acc: 0.9272
98 Epoch 17/20
99 -----
100 Training: 100%|██████████| 547/547 [00:56<00:00, 9.
    63it/s]
101 Validating: 0%|          | 0/157 [00:00<?, ?it/s]
    Train Loss: 0.2323 Acc: 0.8985
102 Validating: 100%|██████████| 157/157 [00:21<00:00,
    7.15it/s]
103 Training: 0%|          | 0/547 [00:00<?, ?it/s]Val
    Loss: 0.1994 Acc: 0.9096
104 Epoch 18/20
105 -----
106 Training: 100%|██████████| 547/547 [00:57<00:00, 9.

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106 51it/s]
107 Train Loss: 0.2242 Acc: 0.8983
108 Validating: 100%|██████████| 157/157 [00:21<00:00,
    7.17it/s]
109 Training: 0%|          | 0/547 [00:00<?, ?it/s]Val
    Loss: 0.1902 Acc: 0.9176
110 Epoch 19/20
111 -----
112 Training: 100%|██████████| 547/547 [00:57<00:00, 9.
    51it/s]
113 Validating: 0%|          | 0/157 [00:00<?, ?it/s]
    Train Loss: 0.2178 Acc: 0.8999
114 Validating: 100%|██████████| 157/157 [00:22<00:00,
    6.90it/s]
115 Val Loss: 0.1612 Acc: 0.9366
116 Training: 0%|          | 0/547 [00:00<?, ?it/s]
    Epoch 20/20
117 -----
118 Training: 100%|██████████| 547/547 [00:57<00:00, 9.
    59it/s]
119 Validating: 0%|          | 0/157 [00:00<?, ?it/s]
    Train Loss: 0.1940 Acc: 0.9129
120 Validating: 100%|██████████| 157/157 [00:21<00:00,
    7.41it/s]
121 Val Loss: 0.1372 Acc: 0.9424
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

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131 \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
      \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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