

```
1 ssh://user@202.38.86.69:22/usr/bin/python -u /tmp/  
  pycharm_project_656/main.py  
2 DATASET:  CIFAR10  
3 Files already downloaded and verified  
4 Files already downloaded and verified  
5 Epoch:  0 Train Loss:  1.7037 Train accuracy:  36.69 Test  
  Loss:  1.2625 Test accuracy:  54.31  
6 Epoch:  1 Train Loss:  1.2118 Train accuracy:  55.91 Test  
  Loss:  1.0374 Test accuracy:  63.25  
7 Epoch:  2 Train Loss:  0.9448 Train accuracy:  66.4 Test  
  Loss:  0.7656 Test accuracy:  73.14  
8 Epoch:  3 Train Loss:  0.8016 Train accuracy:  71.78 Test  
  Loss:  0.6717 Test accuracy:  76.36  
9 Epoch:  4 Train Loss:  0.7119 Train accuracy:  74.97 Test  
  Loss:  0.6023 Test accuracy:  79.53  
10 Epoch:  5 Train Loss:  0.6424 Train accuracy:  77.54 Test  
  Loss:  0.6355 Test accuracy:  78.17  
11 Epoch:  6 Train Loss:  0.5985 Train accuracy:  79.16 Test  
  Loss:  0.5348 Test accuracy:  81.79  
12 Epoch:  7 Train Loss:  0.5644 Train accuracy:  80.49 Test  
  Loss:  0.5145 Test accuracy:  82.15  
13 Epoch:  8 Train Loss:  0.5323 Train accuracy:  81.5 Test  
  Loss:  0.516 Test accuracy:  82.45  
14 Epoch:  9 Train Loss:  0.5065 Train accuracy:  82.26 Test  
  Loss:  0.4728 Test accuracy:  83.59  
15 Epoch: 10 Train Loss:  0.4923 Train accuracy:  82.89 Test  
  Loss:  0.4893 Test accuracy:  83.16  
16 Epoch: 11 Train Loss:  0.479 Train accuracy:  83.33 Test  
  Loss:  0.5008 Test accuracy:  82.72  
17 Epoch: 12 Train Loss:  0.4766 Train accuracy:  83.57 Test  
  Loss:  0.4649 Test accuracy:  84.02  
18 Epoch: 13 Train Loss:  0.4672 Train accuracy:  84.0 Test  
  Loss:  0.5326 Test accuracy:  81.76  
19 Epoch: 14 Train Loss:  0.4723 Train accuracy:  83.68 Test  
  Loss:  0.4914 Test accuracy:  83.52  
20 Epoch: 15 Train Loss:  0.4803 Train accuracy:  83.37 Test  
  Loss:  0.4824 Test accuracy:  83.49  
21 Epoch: 16 Train Loss:  0.4894 Train accuracy:  83.17 Test  
  Loss:  0.4773 Test accuracy:  83.65  
22 Epoch: 17 Train Loss:  0.4991 Train accuracy:  82.66 Test  
  Loss:  0.5199 Test accuracy:  82.01  
23 Epoch: 18 Train Loss:  0.5318 Train accuracy:  81.84 Test  
  Loss:  0.5481 Test accuracy:  81.46  
24 Epoch: 19 Train Loss:  0.5613 Train accuracy:  80.59 Test  
  Loss:  0.5441 Test accuracy:  81.12  
25 Epoch: 20 Train Loss:  0.4639 Train accuracy:  84.05 Test
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25	Loss:	0.4429	Test accuracy:	84.99
26	Epoch:	21	Train Loss:	0.4343
			Train accuracy:	85.02
			Test Loss:	0.4456
			Test accuracy:	84.96
27	Epoch:	22	Train Loss:	0.4257
			Train accuracy:	85.4
			Test Loss:	0.4558
			Test accuracy:	84.4
28	Epoch:	23	Train Loss:	0.4136
			Train accuracy:	85.66
			Test Loss:	0.447
			Test accuracy:	85.19
29	Epoch:	24	Train Loss:	0.4029
			Train accuracy:	86.24
			Test Loss:	0.4494
			Test accuracy:	85.16
30	Epoch:	25	Train Loss:	0.4091
			Train accuracy:	85.92
			Test Loss:	0.4318
			Test accuracy:	85.16
31	Epoch:	26	Train Loss:	0.3998
			Train accuracy:	86.02
			Test Loss:	0.4106
			Test accuracy:	86.35
32	Epoch:	27	Train Loss:	0.3897
			Train accuracy:	86.51
			Test Loss:	0.4222
			Test accuracy:	85.76
33	Epoch:	28	Train Loss:	0.3928
			Train accuracy:	86.29
			Test Loss:	0.4308
			Test accuracy:	85.47
34	Epoch:	29	Train Loss:	0.3863
			Train accuracy:	86.6
			Test Loss:	0.4446
			Test accuracy:	84.9
35	Epoch:	30	Train Loss:	0.3822
			Train accuracy:	86.87
			Test Loss:	0.4364
			Test accuracy:	85.53
36	Epoch:	31	Train Loss:	0.3809
			Train accuracy:	86.81
			Test Loss:	0.4173
			Test accuracy:	85.95
37	Epoch:	32	Train Loss:	0.3899
			Train accuracy:	86.5
			Test Loss:	0.4429
			Test accuracy:	85.24
38	Epoch:	33	Train Loss:	0.3811
			Train accuracy:	86.84
			Test Loss:	0.4209
			Test accuracy:	85.9
39	Epoch:	34	Train Loss:	0.3792
			Train accuracy:	86.88
			Test Loss:	0.4112
			Test accuracy:	86.29
40	Epoch:	35	Train Loss:	0.3732
			Train accuracy:	86.97
			Test Loss:	0.4239
			Test accuracy:	85.81
41	Epoch:	36	Train Loss:	0.3745
			Train accuracy:	87.06
			Test Loss:	0.4159
			Test accuracy:	85.59
42	Epoch:	37	Train Loss:	0.3732
			Train accuracy:	87.16
			Test Loss:	0.446
			Test accuracy:	85.38
43	Epoch:	38	Train Loss:	0.3691
			Train accuracy:	87.52
			Test Loss:	0.4075
			Test accuracy:	86.34
44	Epoch:	39	Train Loss:	0.3676
			Train accuracy:	87.17
			Test Loss:	0.4343
			Test accuracy:	85.61
45	Epoch:	40	Train Loss:	0.3368
			Train accuracy:	88.17
			Test Loss:	0.3882
			Test accuracy:	87.01
46	Epoch:	41	Train Loss:	0.3208
			Train accuracy:	88.99
			Test Loss:	0.3807
			Test accuracy:	87.28
47	Epoch:	42	Train Loss:	0.3117
			Train accuracy:	89.25
			Test Loss:	0.38
			Test accuracy:	87.52
48	Epoch:	43	Train Loss:	0.3097
			Train accuracy:	89.28
			Test	

48	Loss:	0.3864	Test accuracy:	87.08
49	Epoch:	44	Train Loss:	0.3113
			Train accuracy:	89.13
			Test Loss:	0.3729
			Test accuracy:	87.79
50	Epoch:	45	Train Loss:	0.3031
			Train accuracy:	89.43
			Test Loss:	0.3773
			Test accuracy:	87.49
51	Epoch:	46	Train Loss:	0.2984
			Train accuracy:	89.67
			Test Loss:	0.3685
			Test accuracy:	87.78
52	Epoch:	47	Train Loss:	0.2944
			Train accuracy:	89.75
			Test Loss:	0.3767
			Test accuracy:	87.74
53	Epoch:	48	Train Loss:	0.2945
			Train accuracy:	89.78
			Test Loss:	0.3803
			Test accuracy:	87.43
54	Epoch:	49	Train Loss:	0.2893
			Train accuracy:	89.86
			Test Loss:	0.3732
			Test accuracy:	87.29
55	Epoch:	50	Train Loss:	0.2882
			Train accuracy:	89.98
			Test Loss:	0.3679
			Test accuracy:	87.6
56	Epoch:	51	Train Loss:	0.2894
			Train accuracy:	89.9
			Test Loss:	0.3749
			Test accuracy:	87.52
57	Epoch:	52	Train Loss:	0.2903
			Train accuracy:	89.87
			Test Loss:	0.3691
			Test accuracy:	87.58
58	Epoch:	53	Train Loss:	0.2814
			Train accuracy:	90.28
			Test Loss:	0.3712
			Test accuracy:	87.93
59	Epoch:	54	Train Loss:	0.2797
			Train accuracy:	90.25
			Test Loss:	0.3594
			Test accuracy:	88.29
60	Epoch:	55	Train Loss:	0.286
			Train accuracy:	90.08
			Test Loss:	0.3728
			Test accuracy:	87.62
61	Epoch:	56	Train Loss:	0.2822
			Train accuracy:	90.18
			Test Loss:	0.3802
			Test accuracy:	87.53
62	Epoch:	57	Train Loss:	0.2804
			Train accuracy:	90.21
			Test Loss:	0.3805
			Test accuracy:	87.51
63	Epoch:	58	Train Loss:	0.2845
			Train accuracy:	90.12
			Test Loss:	0.3648
			Test accuracy:	87.86
64	Epoch:	59	Train Loss:	0.2829
			Train accuracy:	90.14
			Test Loss:	0.3912
			Test accuracy:	87.04
65	Epoch:	60	Train Loss:	0.2579
			Train accuracy:	91.12
			Test Loss:	0.3535
			Test accuracy:	88.33
66	Epoch:	61	Train Loss:	0.2546
			Train accuracy:	91.16
			Test Loss:	0.3488
			Test accuracy:	88.65
67	Epoch:	62	Train Loss:	0.247
			Train accuracy:	91.42
			Test Loss:	0.3557
			Test accuracy:	88.45
68	Epoch:	63	Train Loss:	0.2487
			Train accuracy:	91.21
			Test Loss:	0.352
			Test accuracy:	88.42
69	Epoch:	64	Train Loss:	0.2469
			Train accuracy:	91.42
			Test Loss:	0.3521
			Test accuracy:	88.62
70	Epoch:	65	Train Loss:	0.2453
			Train accuracy:	91.49
			Test Loss:	0.3528
			Test accuracy:	88.59
71	Epoch:	66	Train Loss:	0.2448
			Train accuracy:	91.34
			Test	

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71 Loss: 0.3611 Test accuracy: 88.27
72 Epoch: 67 Train Loss: 0.247 Train accuracy: 91.32 Test
    Loss: 0.3561 Test accuracy: 88.38
73 Epoch: 68 Train Loss: 0.2457 Train accuracy: 91.43 Test
    Loss: 0.3546 Test accuracy: 88.39
74 Epoch: 69 Train Loss: 0.2385 Train accuracy: 91.58 Test
    Loss: 0.3573 Test accuracy: 88.26
75 Epoch: 70 Train Loss: 0.2389 Train accuracy: 91.75 Test
    Loss: 0.3538 Test accuracy: 88.41
76 Epoch: 71 Train Loss: 0.2389 Train accuracy: 91.66 Test
    Loss: 0.3575 Test accuracy: 88.33
77 Epoch: 72 Train Loss: 0.2335 Train accuracy: 91.89 Test
    Loss: 0.3627 Test accuracy: 88.31
78 Epoch: 73 Train Loss: 0.2353 Train accuracy: 91.75 Test
    Loss: 0.3606 Test accuracy: 88.36
79 Epoch: 74 Train Loss: 0.2304 Train accuracy: 91.98 Test
    Loss: 0.3528 Test accuracy: 88.67
80 Epoch: 75 Train Loss: 0.234 Train accuracy: 91.86 Test
    Loss: 0.3533 Test accuracy: 88.42
81 Epoch: 76 Train Loss: 0.2317 Train accuracy: 91.82 Test
    Loss: 0.3599 Test accuracy: 88.24
82 Epoch: 77 Train Loss: 0.2314 Train accuracy: 91.93 Test
    Loss: 0.3532 Test accuracy: 88.66
83 Epoch: 78 Train Loss: 0.2315 Train accuracy: 91.86 Test
    Loss: 0.3571 Test accuracy: 88.65
84 Epoch: 79 Train Loss: 0.2268 Train accuracy: 92.17 Test
    Loss: 0.3482 Test accuracy: 88.89
85 Epoch: 80 Train Loss: 0.2204 Train accuracy: 92.32 Test
    Loss: 0.349 Test accuracy: 88.78
86 Epoch: 81 Train Loss: 0.219 Train accuracy: 92.4 Test
    Loss: 0.3467 Test accuracy: 88.97
87 Epoch: 82 Train Loss: 0.2207 Train accuracy: 92.31 Test
    Loss: 0.3464 Test accuracy: 89.02
88 Epoch: 83 Train Loss: 0.2178 Train accuracy: 92.48 Test
    Loss: 0.3458 Test accuracy: 88.94
89 Epoch: 84 Train Loss: 0.2162 Train accuracy: 92.38 Test
    Loss: 0.3443 Test accuracy: 88.88
90 Epoch: 85 Train Loss: 0.216 Train accuracy: 92.42 Test
    Loss: 0.3442 Test accuracy: 88.97
91 Epoch: 86 Train Loss: 0.2137 Train accuracy: 92.56 Test
    Loss: 0.3485 Test accuracy: 88.85
92 Epoch: 87 Train Loss: 0.2156 Train accuracy: 92.46 Test
    Loss: 0.3473 Test accuracy: 88.9
93 Epoch: 88 Train Loss: 0.2152 Train accuracy: 92.52 Test
    Loss: 0.3468 Test accuracy: 88.92
94 Epoch: 89 Train Loss: 0.2132 Train accuracy: 92.62 Test

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94 Loss: 0.3479 Test accuracy: 88.93
95 Epoch: 90 Train Loss: 0.2097 Train accuracy: 92.64 Test
  Loss: 0.3512 Test accuracy: 88.66
96 Epoch: 91 Train Loss: 0.2138 Train accuracy: 92.46 Test
  Loss: 0.3498 Test accuracy: 88.71
97 Epoch: 92 Train Loss: 0.2111 Train accuracy: 92.69 Test
  Loss: 0.3437 Test accuracy: 88.79
98 Epoch: 93 Train Loss: 0.212 Train accuracy: 92.5 Test
  Loss: 0.3494 Test accuracy: 88.54
99 Epoch: 94 Train Loss: 0.2153 Train accuracy: 92.45 Test
  Loss: 0.3438 Test accuracy: 89.06
100 Epoch: 95 Train Loss: 0.2077 Train accuracy: 92.76 Test
  Loss: 0.349 Test accuracy: 88.88
101 Epoch: 96 Train Loss: 0.2065 Train accuracy: 92.82 Test
  Loss: 0.3456 Test accuracy: 88.82
102 Epoch: 97 Train Loss: 0.2068 Train accuracy: 92.64 Test
  Loss: 0.3443 Test accuracy: 88.96
103 Epoch: 98 Train Loss: 0.2063 Train accuracy: 92.73 Test
  Loss: 0.3466 Test accuracy: 88.83
104 Epoch: 99 Train Loss: 0.2035 Train accuracy: 92.9 Test
  Loss: 0.3447 Test accuracy: 89.03
105 /usr/local/lib/python3.6/dist-packages/torch/serialization
.py:292: UserWarning: Couldn't retrieve source code for
container of type smallVGG. It won't be checked for
correctness upon loading.
106 "type " + obj.__name__ + ". It won't be checked "
107 /usr/local/lib/python3.6/dist-packages/torch/serialization
.py:292: UserWarning: Couldn't retrieve source code for
container of type Conv2d. It won't be checked for
correctness upon loading.
108 "type " + obj.__name__ + ". It won't be checked "
109 /usr/local/lib/python3.6/dist-packages/torch/serialization
.py:292: UserWarning: Couldn't retrieve source code for
container of type ReLU. It won't be checked for
correctness upon loading.
110 "type " + obj.__name__ + ". It won't be checked "
111 /usr/local/lib/python3.6/dist-packages/torch/serialization
.py:292: UserWarning: Couldn't retrieve source code for
container of type MaxPool2d. It won't be checked for
correctness upon loading.
112 "type " + obj.__name__ + ". It won't be checked "
113 /usr/local/lib/python3.6/dist-packages/torch/serialization
.py:292: UserWarning: Couldn't retrieve source code for
container of type Linear. It won't be checked for
correctness upon loading.
114 "type " + obj.__name__ + ". It won't be checked "
```

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115 /usr/local/lib/python3.6/dist-packages/torch/serialization
    .py:292: UserWarning: Couldn't retrieve source code for
        container of type Sigmoid. It won't be checked for
        correctness upon loading.
116     "type " + obj.__name__ + ". It won't be checked "
117 Model saved
118
119 Process finished with exit code 0
120
```