```
C:\Users\chris\anaconda3\python.exe "C:\Program Files\
JetBrains\PyCharm 2020.3.5\plugins\python\helpers\pydev
\pydevconsole.py" --mode=client --port=51292

import sys; print('Python %s on %s' % (sys.version, sys
.platform))
sys.path.extend(['C:\\Users\\chris\\PycharmProjects\\
NAI', 'C:/Users/chris/PycharmProjects/NAI'])

Python 3.8.8 (default, Feb 24 2021, 15:54:32) [MSC v.
1928 64 bit (AMD64)]
Type 'copyright', 'credits' or 'license' for more
information
IPython 7.21.0 -- An enhanced Interactive Python. Type
 '?' for help.
PyDev console: using IPython 7.21.0

Python 3.8.8 (default, Feb 24 2021, 15:54:32) [MSC v.
1928 64 bit (AMD64)] on win32
In[2]: runfile('C:/Users/chris/PycharmProjects/NAI/LAB5
/neural_network_CIFAR100.py', wdir='C:/Users/chris/
PycharmProjects/NAI/LAB5')
2021-12-16 22:11:40.437669: W tensorflow/
stream_executor/platform/default/dso_loader.cc:64]
Could not load dynamic library 'cudart64_110.dll';
dlerror: cudart64_110.dll not found
2021-12-16 22:11:40.438480: I tensorflow/
stream_executor/cuda/cudart_stub.cc:29] Ignore above
cudart dlerror if you do not have a GPU set up on your
machine.
Iteration 1, loss = 4.20459156
Iteration 2, loss = 3.79111819
Iteration 3, loss = 3.62466680
Iteration 4, loss = 3.51318874
Iteration 5, loss = 3.43309352
Iteration 6, loss = 3.37037977
Iteration 7, loss = 3.30753722
Iteration 8, loss = 3.26222250
Iteration 9, loss = 3.21396543
Iteration 10, loss = 3.17666781
Iteration 11, loss = 3.14636132
Iteration 12, loss = 3.11415078
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Iteration 13, loss = 3.07952608
Iteration 14, loss = 3.05433854
Iteration 15, loss = 3.03103272
Iteration 16, loss = 3.01445505
Iteration 17, loss = 2.98991347
Iteration 18, loss = 2.96337454
Iteration 19, loss = 2.95231880
Iteration 20, loss = 2.92778077
Iteration 21, loss = 2.91138200
Iteration 22, loss = 2.89335087
Iteration 23, loss = 2.87595248
Iteration 24, loss = 2.85791816
Iteration 25, loss = 2.84713613
Iteration 26, loss = 2.82930874
Iteration 27, loss = 2.81728960
Iteration 28, loss = 2.80874509
Iteration 29, loss = 2.79698649
Iteration 30, loss = 2.77409628
Iteration 31, loss = 2.76223179
Iteration 32, loss = 2.75866846
Iteration 33, loss = 2.74305287
Iteration 34, loss = 2.74407740
Iteration 35, loss = 2.72897524
Iteration 36, loss = 2.70605144
Iteration 37, loss = 2.69486948
Iteration 38, loss = 2.69336251
Iteration 39, loss = 2.68550696
Iteration 40, loss = 2.67298647
Iteration 41, loss = 2.66224672
Iteration 42, loss = 2.65144943
Iteration 43, loss = 2.65003078
Iteration 44, loss = 2.64409650
Iteration 45, loss = 2.62716349
Iteration 46, loss = 2.61744785
Iteration 47, loss = 2.60685938
Iteration 48, loss = 2.59896217
Iteration 49, loss = 2.60160398
Iteration 50, loss = 2.58562346
Iteration 51, loss = 2.58224453
Iteration 52, loss = 2.57365748
Iteration 53, loss = 2.56256769
Iteration 54, loss = 2.55180372
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Iteration 55, loss = 2.55494584
Iteration 56, loss = 2.54114076
Iteration 57, loss = 2.53788356
Iteration 58, loss = 2.52500579
Iteration 59, loss = 2.52659524
Iteration 60, loss = 2.51544804
Iteration 61, loss = 2.51384521
Iteration 62, loss = 2.50544617
Iteration 63, loss = 2.49721502
Iteration 64, loss = 2.48052970
Iteration 65, loss = 2.48071542
Iteration 66, loss = 2.46623749
Iteration 67, loss = 2.47076311
Iteration 68, loss = 2.46482801
Iteration 69, loss = 2.45392377
Iteration 70, loss = 2.45443420
Iteration 71, loss = 2.44488595
Iteration 72, loss = 2.44062629
Iteration 73, loss = 2.43266350
Iteration 74, loss = 2.42929430
Iteration 75, loss = 2.43427827
Iteration 76, loss = 2.41285940
Iteration 77, loss = 2.41314613
Iteration 78, loss = 2.41192247
Iteration 79, loss = 2.39874054
Iteration 80, loss = 2.40391244
Iteration 81, loss = 2.39554476
Iteration 82, loss = 2.37710034
Iteration 83, loss = 2.38759922
Iteration 84, loss = 2.37708165
Iteration 85, loss = 2.36093368
Iteration 86, loss = 2.36446883
Iteration 87, loss = 2.35945174
Iteration 88, loss = 2.35706495
Iteration 89, loss = 2.35718476
Iteration 90, loss = 2.35091384
Iteration 91, loss = 2.33349460
Iteration 92, loss = 2.33242113
Iteration 93, loss = 2.34260580
Iteration 94, loss = 2.33650557
Iteration 95, loss = 2.32483530
Iteration 96, loss = 2.31221953
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```
Iteration 97, loss = 2.30065652
Iteration 98, loss = 2.31756355
Iteration 99, loss = 2.29939438
Iteration 100, loss = 2.30611209
Training set score: 42.33%
Test set score: 22.89%
```