File - hw3

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1 C:\Users\allis\AppData\Local\Programs\Python\Python39\python.exe D:/School/ECE472_DeepLearning/hw/ECE472_DeepLearning/hw3/main.py --sample_size 1000 --batch_size 32 --num_iters 10 --
 random seed 31415
2 2022-09-21 18:58:42.689188: E tensorflow/stream_executor/cuda/cuda_driver.cc:265] failed call to cuInit: CUDA_ERROR_NO_DEVICE: no CUDA-capable device is detected
3 2022-09-21 18:58:42.692451: I tensorflow/stream executor/cuda/cuda diagnostics.cc:169] retrieving CUDA diagnostic information for host: PC-Arristar
4 2022-09-21 18:58:42.692596: I tensorflow/stream_executor/cuda/cuda_diagnostics.cc:176] hostname: PC-Arristar
5 2022-09-21 18:58:42.693009: I tensorflow/core/platform/cpu_feature_quard.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
6 To enable them in other operations, rebuild TensorFlow with the appropriate compiler flags.
7 Model: "sequential"
9 Laver (type)
                Output Shape
                             Param #
11 conv2d (Conv2D)
                (None, 26, 26, 32)
13 max_pooling2d (MaxPooling2D) (None, 13, 13, 32)
14 _____
15 conv2d_1 (Conv2D)
                (None, 11, 11, 64)
                             18496
16 _____
17 dropout (Dropout)
                (None, 11, 11, 64)
                             0
18 ____
19 flatten (Flatten)
                (None, 7744)
                             0
20 ____
21 dense (Dense)
                (None, 128)
                             991360
23 dropout 1 (Dropout)
                (None, 128)
25 dense 1 (Dense)
                (None, 10)
27 Total params: 1.011.466
28 Trainable params: 1,011,466
29 Non-trainable params: 0
30
31 None
32 Epoch 1/10
34 Epoch 2/10
36 Epoch 3/10
38 Epoch 4/10
40 Epoch 5/10
42 Epoch 6/10
44 Epoch 7/10
46 Epoch 8/10
48 Epoch 9/10
50 Epoch 10/10
53 Test loss
         : 0.06848642230033875
54 Test accuracy : 0.9908000230789185
56 Process finished with exit code 0
```