Torch device selected: cuda

Files already downloaded and verified

Files already downloaded and verified

------- EPOCH #1 --------

Train set: Average loss: 2.1359, Accuracy: 12814/50000 (26%)

Test set: Average loss: 2.0210, Accuracy: 3343/10000 (33%)

------- EPOCH #2 --------

Train set: Average loss: 1.9862, Accuracy: 19013/50000 (38%)

Test set: Average loss: 1.9502, Accuracy: 4177/10000 (42%)

------- EPOCH #3 --------

Train set: Average loss: 1.9417, Accuracy: 20934/50000 (42%)

Test set: Average loss: 1.9271, Accuracy: 4228/10000 (42%)

------- EPOCH #4 --------

Train set: Average loss: 1.9190, Accuracy: 21754/50000 (44%)

Test set: Average loss: 1.9052, Accuracy: 4496/10000 (45%)

------- EPOCH #5 --------

Train set: Average loss: 1.9019, Accuracy: 22589/50000 (45%)

Test set: Average loss: 1.8927, Accuracy: 4625/10000 (46%)

------- EPOCH #6 --------

Train set: Average loss: 1.8864, Accuracy: 23406/50000 (47%)

Test set: Average loss: 1.8832, Accuracy: 4754/10000 (48%)

------- EPOCH #7 --------

Train set: Average loss: 1.8729, Accuracy: 23972/50000 (48%)

Test set: Average loss: 1.8642, Accuracy: 4874/10000 (49%)

------- EPOCH #8 --------

Train set: Average loss: 1.8606, Accuracy: 24753/50000 (50%)

Test set: Average loss: 1.8752, Accuracy: 4850/10000 (48%)

------- EPOCH #9 --------

Train set: Average loss: 1.8490, Accuracy: 25350/50000 (51%)

Test set: Average loss: 1.8489, Accuracy: 5094/10000 (51%)

------- EPOCH #10 --------

Train set: Average loss: 1.8361, Accuracy: 26046/50000 (52%)

Test set: Average loss: 1.8364, Accuracy: 5323/10000 (53%)

------- EPOCH #11 --------

Train set: Average loss: 1.8254, Accuracy: 26856/50000 (54%)

Test set: Average loss: 1.8288, Accuracy: 5286/10000 (53%)

------- EPOCH #12 --------

Train set: Average loss: 1.8160, Accuracy: 27402/50000 (55%)

Test set: Average loss: 1.8173, Accuracy: 5512/10000 (55%)

------- EPOCH #13 --------

Train set: Average loss: 1.8072, Accuracy: 27868/50000 (56%)

Test set: Average loss: 1.8156, Accuracy: 5490/10000 (55%)

------- EPOCH #14 --------

Train set: Average loss: 1.7986, Accuracy: 28438/50000 (57%)

Test set: Average loss: 1.8065, Accuracy: 5683/10000 (57%)

------- EPOCH #15 --------

Train set: Average loss: 1.7913, Accuracy: 28822/50000 (58%)

Test set: Average loss: 1.7996, Accuracy: 5701/10000 (57%)

------- EPOCH #16 --------

Train set: Average loss: 1.7853, Accuracy: 29111/50000 (58%)

Test set: Average loss: 1.7986, Accuracy: 5757/10000 (58%)

------- EPOCH #17 --------

Train set: Average loss: 1.7794, Accuracy: 29477/50000 (59%)

Test set: Average loss: 1.7897, Accuracy: 5826/10000 (58%)

------- EPOCH #18 --------

Train set: Average loss: 1.7729, Accuracy: 29862/50000 (60%)

Test set: Average loss: 1.7904, Accuracy: 5808/10000 (58%)

------- EPOCH #19 --------

Train set: Average loss: 1.7673, Accuracy: 30271/50000 (61%)

Test set: Average loss: 1.7852, Accuracy: 5959/10000 (60%)

------- EPOCH #20 --------

Train set: Average loss: 1.7631, Accuracy: 30310/50000 (61%)

Test set: Average loss: 1.7806, Accuracy: 6012/10000 (60%)

------- EPOCH #21 --------

Train set: Average loss: 1.7592, Accuracy: 30645/50000 (61%)

Test set: Average loss: 1.7780, Accuracy: 5949/10000 (59%)

------- EPOCH #22 --------

Train set: Average loss: 1.7539, Accuracy: 31000/50000 (62%)

Test set: Average loss: 1.7817, Accuracy: 5954/10000 (60%)

------- EPOCH #23 --------

Train set: Average loss: 1.7503, Accuracy: 31242/50000 (62%)

Test set: Average loss: 1.7720, Accuracy: 6097/10000 (61%)

------- EPOCH #24 --------

Train set: Average loss: 1.7457, Accuracy: 31488/50000 (63%)

Test set: Average loss: 1.7780, Accuracy: 5970/10000 (60%)

------- EPOCH #25 --------

Train set: Average loss: 1.7427, Accuracy: 31662/50000 (63%)

Test set: Average loss: 1.7658, Accuracy: 6217/10000 (62%)

------- EPOCH #26 --------

Train set: Average loss: 1.7388, Accuracy: 31894/50000 (64%)

Test set: Average loss: 1.7735, Accuracy: 6186/10000 (62%)

------- EPOCH #27 --------

Train set: Average loss: 1.7358, Accuracy: 31917/50000 (64%)

Test set: Average loss: 1.7703, Accuracy: 6196/10000 (62%)

------- EPOCH #28 --------

Train set: Average loss: 1.7322, Accuracy: 32249/50000 (64%)

Test set: Average loss: 1.7685, Accuracy: 6292/10000 (63%)

------- EPOCH #29 --------

Train set: Average loss: 1.7300, Accuracy: 32385/50000 (65%)

Test set: Average loss: 1.7625, Accuracy: 6200/10000 (62%)

------- EPOCH #30 --------

Train set: Average loss: 1.7266, Accuracy: 32614/50000 (65%)

Test set: Average loss: 1.7617, Accuracy: 6305/10000 (63%)

accuracy is 63.05

Chart

Description automatically generated

Training and evaluation finished