Torch device selected: cuda

Files already downloaded and verified

Files already downloaded and verified

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

Train set: Average loss: 2.1661, Accuracy: 11120/50000 (22%)

Test set: Average loss: 2.0393, Accuracy: 3316/10000 (33%)

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

Train set: Average loss: 2.0087, Accuracy: 17804/50000 (36%)

Test set: Average loss: 1.9918, Accuracy: 3720/10000 (37%)

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

Train set: Average loss: 1.9753, Accuracy: 19451/50000 (39%)

Test set: Average loss: 1.9674, Accuracy: 3912/10000 (39%)

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

Train set: Average loss: 1.9608, Accuracy: 20323/50000 (41%)

Test set: Average loss: 1.9580, Accuracy: 4110/10000 (41%)

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

Train set: Average loss: 1.9518, Accuracy: 20625/50000 (41%)

Test set: Average loss: 1.9518, Accuracy: 4116/10000 (41%)

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

Train set: Average loss: 1.9443, Accuracy: 20935/50000 (42%)

Test set: Average loss: 1.9439, Accuracy: 4168/10000 (42%)

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

Train set: Average loss: 1.9387, Accuracy: 21105/50000 (42%)

Test set: Average loss: 1.9448, Accuracy: 4234/10000 (42%)

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

Train set: Average loss: 1.9346, Accuracy: 21474/50000 (43%)

Test set: Average loss: 1.9504, Accuracy: 4167/10000 (42%)

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

Train set: Average loss: 1.9305, Accuracy: 21616/50000 (43%)

Test set: Average loss: 1.9320, Accuracy: 4251/10000 (43%)

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

Train set: Average loss: 1.9280, Accuracy: 21843/50000 (44%)

Test set: Average loss: 1.9350, Accuracy: 4276/10000 (43%)

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

Train set: Average loss: 1.9258, Accuracy: 21945/50000 (44%)

Test set: Average loss: 1.9268, Accuracy: 4404/10000 (44%)

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

Train set: Average loss: 1.9230, Accuracy: 22063/50000 (44%)

Test set: Average loss: 1.9285, Accuracy: 4407/10000 (44%)

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

Train set: Average loss: 1.9203, Accuracy: 22124/50000 (44%)

Test set: Average loss: 1.9248, Accuracy: 4435/10000 (44%)

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

Train set: Average loss: 1.9190, Accuracy: 22196/50000 (44%)

Test set: Average loss: 1.9263, Accuracy: 4383/10000 (44%)

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

Train set: Average loss: 1.9170, Accuracy: 22303/50000 (45%)

Test set: Average loss: 1.9252, Accuracy: 4449/10000 (44%)

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

Train set: Average loss: 1.9157, Accuracy: 22299/50000 (45%)

Test set: Average loss: 1.9263, Accuracy: 4412/10000 (44%)

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

Train set: Average loss: 1.9140, Accuracy: 22296/50000 (45%)

Test set: Average loss: 1.9362, Accuracy: 4388/10000 (44%)

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

Train set: Average loss: 1.9125, Accuracy: 22263/50000 (45%)

Test set: Average loss: 1.9275, Accuracy: 4391/10000 (44%)

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

Train set: Average loss: 1.9108, Accuracy: 22368/50000 (45%)

Test set: Average loss: 1.9270, Accuracy: 4349/10000 (43%)

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

Train set: Average loss: 1.9103, Accuracy: 22366/50000 (45%)

Test set: Average loss: 1.9248, Accuracy: 4397/10000 (44%)

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

Train set: Average loss: 1.9088, Accuracy: 22449/50000 (45%)

Test set: Average loss: 1.9192, Accuracy: 4458/10000 (45%)

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

Train set: Average loss: 1.9080, Accuracy: 22498/50000 (45%)

Test set: Average loss: 1.9196, Accuracy: 4503/10000 (45%)

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

Train set: Average loss: 1.9072, Accuracy: 22492/50000 (45%)

Test set: Average loss: 1.9292, Accuracy: 4437/10000 (44%)

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

Train set: Average loss: 1.9067, Accuracy: 22510/50000 (45%)

Test set: Average loss: 1.9246, Accuracy: 4495/10000 (45%)

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

Train set: Average loss: 1.9059, Accuracy: 22439/50000 (45%)

Test set: Average loss: 1.9192, Accuracy: 4466/10000 (45%)

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

Train set: Average loss: 1.9046, Accuracy: 22536/50000 (45%)

Test set: Average loss: 1.9292, Accuracy: 4353/10000 (44%)

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

Train set: Average loss: 1.9042, Accuracy: 22492/50000 (45%)

Test set: Average loss: 1.9220, Accuracy: 4487/10000 (45%)

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

Train set: Average loss: 1.9038, Accuracy: 22554/50000 (45%)

Test set: Average loss: 1.9232, Accuracy: 4460/10000 (45%)

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

Train set: Average loss: 1.9024, Accuracy: 22634/50000 (45%)

Test set: Average loss: 1.9196, Accuracy: 4466/10000 (45%)

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

Train set: Average loss: 1.9022, Accuracy: 22670/50000 (45%)

Test set: Average loss: 1.9174, Accuracy: 4488/10000 (45%)

accuracy is 45.03

Shape

Description automatically generated with low confidence

Training and evaluation finished