Mnist\_original:

Epoch [1/20], Loss: 0.1285

Epoch [2/20], Loss: 0.0308

Epoch [3/20], Loss: 0.0169

Epoch [4/20], Loss: 0.0091

Epoch [5/20], Loss: 0.0045

Epoch [6/20], Loss: 0.0029

Epoch [7/20], Loss: 0.0031

Epoch [8/20], Loss: 0.0049

Epoch [9/20], Loss: 0.0013

Epoch [10/20], Loss: 0.0007

Epoch [11/20], Loss: 0.0006

Epoch [12/20], Loss: 0.0002

Epoch [13/20], Loss: 0.0002

Epoch [14/20], Loss: 0.0001

Epoch [15/20], Loss: 0.0001

Epoch [16/20], Loss: 0.0001

Epoch [17/20], Loss: 0.0001

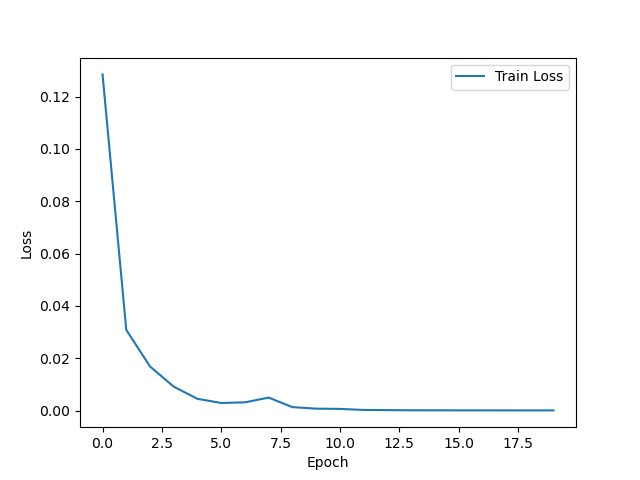
Epoch [18/20], Loss: 0.0001

Epoch [19/20], Loss: 0.0001

Epoch [20/20], Loss: 0.0001

Training finished!

Test Accuracy: 0.99



Mnist\_dis:

D:\Anaconda\envs\pytorch1.13\_py3.7\python.exe D:\gradu1\EE595\lab\ResNet\distributed\mnist\_Main.py

Epoch [1/20], Loss: 0.1199

Epoch [2/20], Loss: 0.0313

Epoch [3/20], Loss: 0.0215

Epoch [4/20], Loss: 0.0143

Epoch [5/20], Loss: 0.0093

Epoch [6/20], Loss: 0.0071

Epoch [7/20], Loss: 0.0051

Epoch [8/20], Loss: 0.0043

Epoch [9/20], Loss: 0.0024

Epoch [10/20], Loss: 0.0025

Epoch [11/20], Loss: 0.0006

Epoch [12/20], Loss: 0.0008

Epoch [13/20], Loss: 0.0010

Epoch [14/20], Loss: 0.0010

Epoch [15/20], Loss: 0.0003

Epoch [16/20], Loss: 0.0002

Epoch [17/20], Loss: 0.0001

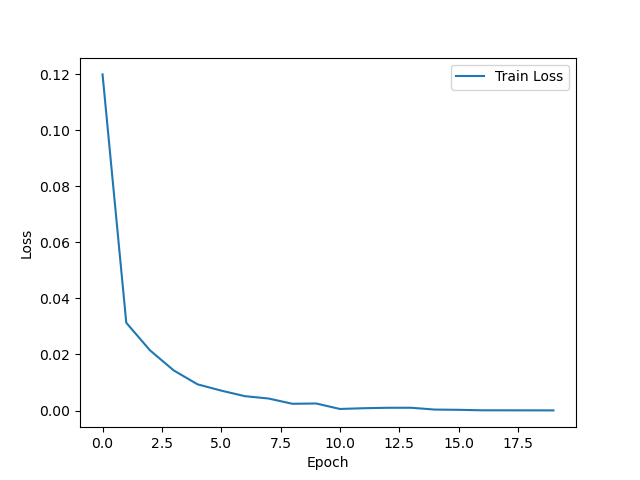
Epoch [18/20], Loss: 0.0001

Epoch [19/20], Loss: 0.0001

Epoch [20/20], Loss: 0.0000

Training finished!

Test Accuracy: 1.00



Cifar100 dist

D:\Anaconda\envs\pytorch1.13\_py3.7\python.exe D:\gradu1\EE595\lab\ResNet\distributed\cifar100\_Main.py

Downloading https://www.cs.toronto.edu/~kriz/cifar-100-python.tar.gz to ./data\cifar-100-python.tar.gz

100.0%

Extracting ./data\cifar-100-python.tar.gz to ./data

Epoch [1/200], Loss: 3.8323

Epoch [2/200], Loss: 3.1945

Epoch [3/200], Loss: 2.8304

Epoch [4/200], Loss: 2.5594

Epoch [5/200], Loss: 2.3454

Epoch [6/200], Loss: 2.1684

Epoch [7/200], Loss: 2.0171

Epoch [8/200], Loss: 1.8979

Epoch [9/200], Loss: 1.7858

Epoch [10/200], Loss: 1.6984

Epoch [11/200], Loss: 1.6001

Epoch [12/200], Loss: 1.5283

Epoch [13/200], Loss: 1.4576

Epoch [14/200], Loss: 1.3884

Epoch [15/200], Loss: 1.3288

Epoch [16/200], Loss: 1.2549

Epoch [17/200], Loss: 1.2143

Epoch [18/200], Loss: 1.1644

Epoch [19/200], Loss: 1.1025

Epoch [20/200], Loss: 1.0592

Epoch [21/200], Loss: 1.0060

Epoch [22/200], Loss: 0.9715

Epoch [23/200], Loss: 0.9288

Epoch [24/200], Loss: 0.8790

Epoch [25/200], Loss: 0.8469

Epoch [26/200], Loss: 0.8136

Epoch [27/200], Loss: 0.7838

Epoch [28/200], Loss: 0.7434

Epoch [29/200], Loss: 0.7069

Epoch [30/200], Loss: 0.6620

Epoch [31/200], Loss: 0.6440

Epoch [32/200], Loss: 0.6103

Epoch [33/200], Loss: 0.5807

Epoch [34/200], Loss: 0.5506

Epoch [35/200], Loss: 0.5173

Epoch [36/200], Loss: 0.5000

Epoch [37/200], Loss: 0.4754

Epoch [38/200], Loss: 0.4474

Epoch [39/200], Loss: 0.4377

Epoch [40/200], Loss: 0.4187

Epoch [41/200], Loss: 0.4049

Epoch [42/200], Loss: 0.3787

Epoch [43/200], Loss: 0.3663

Epoch [44/200], Loss: 0.3473

Epoch [45/200], Loss: 0.3254

Epoch [46/200], Loss: 0.3173

Epoch [47/200], Loss: 0.3007

Epoch [48/200], Loss: 0.2899

Epoch [49/200], Loss: 0.2743

Epoch [50/200], Loss: 0.2597

Epoch [51/200], Loss: 0.2617

Epoch [52/200], Loss: 0.2400

Epoch [53/200], Loss: 0.2387

Epoch [54/200], Loss: 0.2268

Epoch [55/200], Loss: 0.2146

Epoch [56/200], Loss: 0.2107

Epoch [57/200], Loss: 0.1965

Epoch [58/200], Loss: 0.2013

Epoch [59/200], Loss: 0.1922

Epoch [60/200], Loss: 0.1825

Epoch [61/200], Loss: 0.1818

Epoch [62/200], Loss: 0.1597

Epoch [63/200], Loss: 0.1680

Epoch [64/200], Loss: 0.1606

Epoch [65/200], Loss: 0.1569

Epoch [66/200], Loss: 0.1535

Epoch [67/200], Loss: 0.1448

Epoch [68/200], Loss: 0.1444

Epoch [69/200], Loss: 0.1384

Epoch [70/200], Loss: 0.1399

Epoch [71/200], Loss: 0.1308

Epoch [72/200], Loss: 0.1378

Epoch [73/200], Loss: 0.1269

Epoch [74/200], Loss: 0.1189

Epoch [75/200], Loss: 0.1157

Epoch [76/200], Loss: 0.1188

Epoch [77/200], Loss: 0.1126

Epoch [78/200], Loss: 0.1106

Epoch [79/200], Loss: 0.1084

Epoch [80/200], Loss: 0.1065

Epoch [81/200], Loss: 0.1036

Epoch [82/200], Loss: 0.0999

Epoch [83/200], Loss: 0.1049

Epoch [84/200], Loss: 0.0953

Epoch [85/200], Loss: 0.0918

Epoch [86/200], Loss: 0.0877

Epoch [87/200], Loss: 0.0902

Epoch [88/200], Loss: 0.0920

Epoch [89/200], Loss: 0.0828

Epoch [90/200], Loss: 0.0846

Epoch [91/200], Loss: 0.0864

Epoch [92/200], Loss: 0.0800

Epoch [93/200], Loss: 0.0765

Epoch [94/200], Loss: 0.0797

Epoch [95/200], Loss: 0.0720

Epoch [96/200], Loss: 0.0772

Epoch [97/200], Loss: 0.0770

Epoch [98/200], Loss: 0.0732

Epoch [99/200], Loss: 0.0712

Epoch [100/200], Loss: 0.0650

Epoch [101/200], Loss: 0.0686

Epoch [102/200], Loss: 0.0657

Epoch [103/200], Loss: 0.0625

Epoch [104/200], Loss: 0.0616

Epoch [105/200], Loss: 0.0572

Epoch [106/200], Loss: 0.0582

Epoch [107/200], Loss: 0.0605

Epoch [108/200], Loss: 0.0642

Epoch [109/200], Loss: 0.0599

Epoch [110/200], Loss: 0.0593

Epoch [111/200], Loss: 0.0574

Epoch [112/200], Loss: 0.0592

Epoch [113/200], Loss: 0.0560

Epoch [114/200], Loss: 0.0603

Epoch [115/200], Loss: 0.0587

Epoch [116/200], Loss: 0.0463

Epoch [117/200], Loss: 0.0471

Epoch [118/200], Loss: 0.0501

Epoch [119/200], Loss: 0.0474

Epoch [120/200], Loss: 0.0496

Epoch [121/200], Loss: 0.0476

Epoch [122/200], Loss: 0.0450

Epoch [123/200], Loss: 0.0495

Epoch [124/200], Loss: 0.0502

Epoch [125/200], Loss: 0.0524

Epoch [126/200], Loss: 0.0491

Epoch [127/200], Loss: 0.0476

Epoch [128/200], Loss: 0.0435

Epoch [129/200], Loss: 0.0429

Epoch [130/200], Loss: 0.0407

Epoch [131/200], Loss: 0.0443

Epoch [132/200], Loss: 0.0395

Epoch [133/200], Loss: 0.0389

Epoch [134/200], Loss: 0.0380

Epoch [135/200], Loss: 0.0411

Epoch [136/200], Loss: 0.0407

Epoch [137/200], Loss: 0.0418

Epoch [138/200], Loss: 0.0467

Epoch [139/200], Loss: 0.0366

Epoch [140/200], Loss: 0.0370

Epoch [141/200], Loss: 0.0366

Epoch [142/200], Loss: 0.0373

Epoch [143/200], Loss: 0.0384

Epoch [144/200], Loss: 0.0356

Epoch [145/200], Loss: 0.0325

Epoch [146/200], Loss: 0.0323

Epoch [147/200], Loss: 0.0351

Epoch [148/200], Loss: 0.0366

Epoch [149/200], Loss: 0.0349

Epoch [150/200], Loss: 0.0342

Epoch [151/200], Loss: 0.0338

Epoch [152/200], Loss: 0.0336

Epoch [153/200], Loss: 0.0334

Epoch [154/200], Loss: 0.0308

Epoch [155/200], Loss: 0.0307

Epoch [156/200], Loss: 0.0304

Epoch [157/200], Loss: 0.0298

Epoch [158/200], Loss: 0.0293

Epoch [159/200], Loss: 0.0311

Epoch [160/200], Loss: 0.0306

Epoch [161/200], Loss: 0.0310

Epoch [162/200], Loss: 0.0302

Epoch [163/200], Loss: 0.0267

Epoch [164/200], Loss: 0.0247

Epoch [165/200], Loss: 0.0274

Epoch [166/200], Loss: 0.0267

Epoch [167/200], Loss: 0.0275

Epoch [168/200], Loss: 0.0300

Epoch [169/200], Loss: 0.0253

Epoch [170/200], Loss: 0.0284

Epoch [171/200], Loss: 0.0283

Epoch [172/200], Loss: 0.0294

Epoch [173/200], Loss: 0.0263

Epoch [174/200], Loss: 0.0274

Epoch [175/200], Loss: 0.0240

Epoch [176/200], Loss: 0.0245

Epoch [177/200], Loss: 0.0227

Epoch [178/200], Loss: 0.0246

Epoch [179/200], Loss: 0.0243

Epoch [180/200], Loss: 0.0257

Epoch [181/200], Loss: 0.0284

Epoch [182/200], Loss: 0.0260

Epoch [183/200], Loss: 0.0221

Epoch [184/200], Loss: 0.0221

Epoch [185/200], Loss: 0.0220

Epoch [186/200], Loss: 0.0254

Epoch [187/200], Loss: 0.0227

Epoch [188/200], Loss: 0.0207

Epoch [189/200], Loss: 0.0229

Epoch [190/200], Loss: 0.0210

Epoch [191/200], Loss: 0.0194

Epoch [192/200], Loss: 0.0192

Epoch [193/200], Loss: 0.0215

Epoch [194/200], Loss: 0.0227

Epoch [195/200], Loss: 0.0211

Epoch [196/200], Loss: 0.0187

Epoch [197/200], Loss: 0.0202

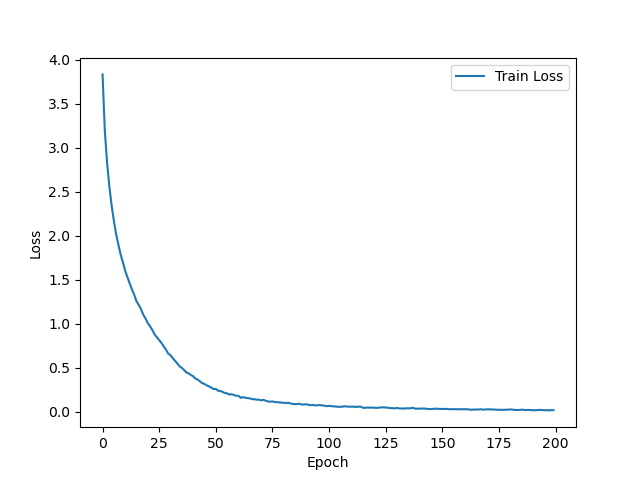
Epoch [198/200], Loss: 0.0171

Epoch [199/200], Loss: 0.0208

Epoch [200/200], Loss: 0.0198

Training finished!

Test Accuracy: 0.66



Cifar100 original:

D:\Anaconda\envs\pytorch1.13\_py3.7\python.exe D:\gradu1\EE595\lab\ResNet\original\cifar100\_Main.py

Downloading https://www.cs.toronto.edu/~kriz/cifar-100-python.tar.gz to ./data\cifar-100-python.tar.gz

100.0%

Extracting ./data\cifar-100-python.tar.gz to ./data

Epoch [1/200], Loss: 3.8044

Epoch [2/200], Loss: 3.1899

Epoch [3/200], Loss: 2.8389

Epoch [4/200], Loss: 2.5654

Epoch [5/200], Loss: 2.3561

Epoch [6/200], Loss: 2.1806

Epoch [7/200], Loss: 2.0290

Epoch [8/200], Loss: 1.9020

Epoch [9/200], Loss: 1.7928

Epoch [10/200], Loss: 1.6947

Epoch [11/200], Loss: 1.6071

Epoch [12/200], Loss: 1.5244

Epoch [13/200], Loss: 1.4340

Epoch [14/200], Loss: 1.3646

Epoch [15/200], Loss: 1.2969

Epoch [16/200], Loss: 1.2171

Epoch [17/200], Loss: 1.1600

Epoch [18/200], Loss: 1.0935

Epoch [19/200], Loss: 1.0429

Epoch [20/200], Loss: 0.9872

Epoch [21/200], Loss: 0.9314

Epoch [22/200], Loss: 0.8704

Epoch [23/200], Loss: 0.8244

Epoch [24/200], Loss: 0.7656

Epoch [25/200], Loss: 0.7203

Epoch [26/200], Loss: 0.6695

Epoch [27/200], Loss: 0.6256

Epoch [28/200], Loss: 0.5838

Epoch [29/200], Loss: 0.5380

Epoch [30/200], Loss: 0.4965

Epoch [31/200], Loss: 0.4616

Epoch [32/200], Loss: 0.4330

Epoch [33/200], Loss: 0.4014

Epoch [34/200], Loss: 0.3702

Epoch [35/200], Loss: 0.3362

Epoch [36/200], Loss: 0.3152

Epoch [37/200], Loss: 0.2935

Epoch [38/200], Loss: 0.2696

Epoch [39/200], Loss: 0.2532

Epoch [40/200], Loss: 0.2375

Epoch [41/200], Loss: 0.2186

Epoch [42/200], Loss: 0.2055

Epoch [43/200], Loss: 0.1948

Epoch [44/200], Loss: 0.1732

Epoch [45/200], Loss: 0.1711

Epoch [46/200], Loss: 0.1542

Epoch [47/200], Loss: 0.1479

Epoch [48/200], Loss: 0.1396

Epoch [49/200], Loss: 0.1267

Epoch [50/200], Loss: 0.1227

Epoch [51/200], Loss: 0.1133

Epoch [52/200], Loss: 0.1073

Epoch [53/200], Loss: 0.1065

Epoch [54/200], Loss: 0.0970

Epoch [55/200], Loss: 0.0859

Epoch [56/200], Loss: 0.0794

Epoch [57/200], Loss: 0.0865

Epoch [58/200], Loss: 0.0772

Epoch [59/200], Loss: 0.0760

Epoch [60/200], Loss: 0.0855

Epoch [61/200], Loss: 0.0687

Epoch [62/200], Loss: 0.0617

Epoch [63/200], Loss: 0.0634

Epoch [64/200], Loss: 0.0629

Epoch [65/200], Loss: 0.0573

Epoch [66/200], Loss: 0.0536

Epoch [67/200], Loss: 0.0578

Epoch [68/200], Loss: 0.0549

Epoch [69/200], Loss: 0.0468

Epoch [70/200], Loss: 0.0463

Epoch [71/200], Loss: 0.0445

Epoch [72/200], Loss: 0.0430

Epoch [73/200], Loss: 0.0440

Epoch [74/200], Loss: 0.0378

Epoch [75/200], Loss: 0.0378

Epoch [76/200], Loss: 0.0357

Epoch [77/200], Loss: 0.0377

Epoch [78/200], Loss: 0.0417

Epoch [79/200], Loss: 0.0356

Epoch [80/200], Loss: 0.0388

Epoch [81/200], Loss: 0.0371

Epoch [82/200], Loss: 0.0380

Epoch [83/200], Loss: 0.0315

Epoch [84/200], Loss: 0.0306

Epoch [85/200], Loss: 0.0299

Epoch [86/200], Loss: 0.0357

Epoch [87/200], Loss: 0.0307

Epoch [88/200], Loss: 0.0241

Epoch [89/200], Loss: 0.0213

Epoch [90/200], Loss: 0.0227

Epoch [91/200], Loss: 0.0236

Epoch [92/200], Loss: 0.0224

Epoch [93/200], Loss: 0.0254

Epoch [94/200], Loss: 0.0271

Epoch [95/200], Loss: 0.0268

Epoch [96/200], Loss: 0.0197

Epoch [97/200], Loss: 0.0211

Epoch [98/200], Loss: 0.0191

Epoch [99/200], Loss: 0.0161

Epoch [100/200], Loss: 0.0158

Epoch [101/200], Loss: 0.0163

Epoch [102/200], Loss: 0.0191

Epoch [103/200], Loss: 0.0166

Epoch [104/200], Loss: 0.0168

Epoch [105/200], Loss: 0.0183

Epoch [106/200], Loss: 0.0224

Epoch [107/200], Loss: 0.0202

Epoch [108/200], Loss: 0.0240

Epoch [109/200], Loss: 0.0152

Epoch [110/200], Loss: 0.0180

Epoch [111/200], Loss: 0.0174

Epoch [112/200], Loss: 0.0130

Epoch [113/200], Loss: 0.0148

Epoch [114/200], Loss: 0.0171

Epoch [115/200], Loss: 0.0135

Epoch [116/200], Loss: 0.0151

Epoch [117/200], Loss: 0.0122

Epoch [118/200], Loss: 0.0168

Epoch [119/200], Loss: 0.0183

Epoch [120/200], Loss: 0.0151

Epoch [121/200], Loss: 0.0151

Epoch [122/200], Loss: 0.0118

Epoch [123/200], Loss: 0.0121

Epoch [124/200], Loss: 0.0115

Epoch [125/200], Loss: 0.0130

Epoch [126/200], Loss: 0.0105

Epoch [127/200], Loss: 0.0132

Epoch [128/200], Loss: 0.0113

Epoch [129/200], Loss: 0.0141

Epoch [130/200], Loss: 0.0136

Epoch [131/200], Loss: 0.0122

Epoch [132/200], Loss: 0.0125

Epoch [133/200], Loss: 0.0103

Epoch [134/200], Loss: 0.0137

Epoch [135/200], Loss: 0.0132

Epoch [136/200], Loss: 0.0126

Epoch [137/200], Loss: 0.0131

Epoch [138/200], Loss: 0.0121

Epoch [139/200], Loss: 0.0136

Epoch [140/200], Loss: 0.0110

Epoch [141/200], Loss: 0.0155

Epoch [142/200], Loss: 0.0109

Epoch [143/200], Loss: 0.0124

Epoch [144/200], Loss: 0.0104

Epoch [145/200], Loss: 0.0091

Epoch [146/200], Loss: 0.0071

Epoch [147/200], Loss: 0.0076

Epoch [148/200], Loss: 0.0092

Epoch [149/200], Loss: 0.0053

Epoch [150/200], Loss: 0.0079

Epoch [151/200], Loss: 0.0062

Epoch [152/200], Loss: 0.0063

Epoch [153/200], Loss: 0.0075

Epoch [154/200], Loss: 0.0073

Epoch [155/200], Loss: 0.0063

Epoch [156/200], Loss: 0.0099

Epoch [157/200], Loss: 0.0092

Epoch [158/200], Loss: 0.0081

Epoch [159/200], Loss: 0.0082

Epoch [160/200], Loss: 0.0099

Epoch [161/200], Loss: 0.0066

Epoch [162/200], Loss: 0.0072

Epoch [163/200], Loss: 0.0078

Epoch [164/200], Loss: 0.0076

Epoch [165/200], Loss: 0.0077

Epoch [166/200], Loss: 0.0057

Epoch [167/200], Loss: 0.0060

Epoch [168/200], Loss: 0.0064

Epoch [169/200], Loss: 0.0057

Epoch [170/200], Loss: 0.0050

Epoch [171/200], Loss: 0.0050

Epoch [172/200], Loss: 0.0052

Epoch [173/200], Loss: 0.0055

Epoch [174/200], Loss: 0.0065

Epoch [175/200], Loss: 0.0074

Epoch [176/200], Loss: 0.0072

Epoch [177/200], Loss: 0.0080

Epoch [178/200], Loss: 0.0066

Epoch [179/200], Loss: 0.0055

Epoch [180/200], Loss: 0.0049

Epoch [181/200], Loss: 0.0052

Epoch [182/200], Loss: 0.0049

Epoch [183/200], Loss: 0.0061

Epoch [184/200], Loss: 0.0069

Epoch [185/200], Loss: 0.0052

Epoch [186/200], Loss: 0.0054

Epoch [187/200], Loss: 0.0051

Epoch [188/200], Loss: 0.0052

Epoch [189/200], Loss: 0.0051

Epoch [190/200], Loss: 0.0069

Epoch [191/200], Loss: 0.0060

Epoch [192/200], Loss: 0.0079

Epoch [193/200], Loss: 0.0069

Epoch [194/200], Loss: 0.0068

Epoch [195/200], Loss: 0.0059

Epoch [196/200], Loss: 0.0049

Epoch [197/200], Loss: 0.0047

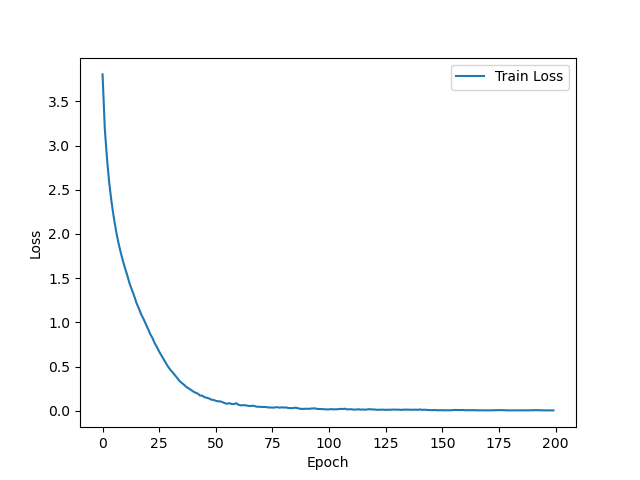
Epoch [198/200], Loss: 0.0052

Epoch [199/200], Loss: 0.0048

Epoch [200/200], Loss: 0.0049

Training finished!

Test Accuracy: 0.62



Cifar10\_original:

Epoch [1/150], Loss: 1.5357

Epoch [2/150], Loss: 1.1317

Epoch [3/150], Loss: 0.9275

Epoch [4/150], Loss: 0.8073

Epoch [5/150], Loss: 0.7192

Epoch [6/150], Loss: 0.6505

Epoch [7/150], Loss: 0.6023

Epoch [8/150], Loss: 0.5612

Epoch [9/150], Loss: 0.5259

Epoch [10/150], Loss: 0.4951

Epoch [11/150], Loss: 0.4726

Epoch [12/150], Loss: 0.4437

Epoch [13/150], Loss: 0.4182

Epoch [14/150], Loss: 0.4026

Epoch [15/150], Loss: 0.3843

Epoch [16/150], Loss: 0.3626

Epoch [17/150], Loss: 0.3526

Epoch [18/150], Loss: 0.3351

Epoch [19/150], Loss: 0.3182

Epoch [20/150], Loss: 0.3115

Epoch [21/150], Loss: 0.3016

Epoch [22/150], Loss: 0.2847

Epoch [23/150], Loss: 0.2763

Epoch [24/150], Loss: 0.2639

Epoch [25/150], Loss: 0.2524

Epoch [26/150], Loss: 0.2467

Epoch [27/150], Loss: 0.2361

Epoch [28/150], Loss: 0.2273

Epoch [29/150], Loss: 0.2192

Epoch [30/150], Loss: 0.2085

Epoch [31/150], Loss: 0.2061

Epoch [32/150], Loss: 0.1973

Epoch [33/150], Loss: 0.1866

Epoch [34/150], Loss: 0.1853

Epoch [35/150], Loss: 0.1757

Epoch [36/150], Loss: 0.1757

Epoch [37/150], Loss: 0.1656

Epoch [38/150], Loss: 0.1624

Epoch [39/150], Loss: 0.1528

Epoch [40/150], Loss: 0.1504

Epoch [41/150], Loss: 0.1446

Epoch [42/150], Loss: 0.1408

Epoch [43/150], Loss: 0.1344

Epoch [44/150], Loss: 0.1354

Epoch [45/150], Loss: 0.1280

Epoch [46/150], Loss: 0.1221

Epoch [47/150], Loss: 0.1222

Epoch [48/150], Loss: 0.1156

Epoch [49/150], Loss: 0.1131

Epoch [50/150], Loss: 0.1090

Epoch [51/150], Loss: 0.1051

Epoch [52/150], Loss: 0.0995

Epoch [53/150], Loss: 0.1005

Epoch [54/150], Loss: 0.0946

Epoch [55/150], Loss: 0.0956

Epoch [56/150], Loss: 0.0894

Epoch [57/150], Loss: 0.0887

Epoch [58/150], Loss: 0.0839

Epoch [59/150], Loss: 0.0867

Epoch [60/150], Loss: 0.0816

Epoch [61/150], Loss: 0.0775

Epoch [62/150], Loss: 0.0805

Epoch [63/150], Loss: 0.0758

Epoch [64/150], Loss: 0.0742

Epoch [65/150], Loss: 0.0710

Epoch [66/150], Loss: 0.0734

Epoch [67/150], Loss: 0.0677

Epoch [68/150], Loss: 0.0648

Epoch [69/150], Loss: 0.0649

Epoch [70/150], Loss: 0.0628

Epoch [71/150], Loss: 0.0600

Epoch [72/150], Loss: 0.0595

Epoch [73/150], Loss: 0.0624

Epoch [74/150], Loss: 0.0537

Epoch [75/150], Loss: 0.0569

Epoch [76/150], Loss: 0.0562

Epoch [77/150], Loss: 0.0539

Epoch [78/150], Loss: 0.0541

Epoch [79/150], Loss: 0.0480

Epoch [80/150], Loss: 0.0521

Epoch [81/150], Loss: 0.0432

Epoch [82/150], Loss: 0.0502

Epoch [83/150], Loss: 0.0446

Epoch [84/150], Loss: 0.0477

Epoch [85/150], Loss: 0.0501

Epoch [86/150], Loss: 0.0450

Epoch [87/150], Loss: 0.0439

Epoch [88/150], Loss: 0.0438

Epoch [89/150], Loss: 0.0439

Epoch [90/150], Loss: 0.0415

Epoch [91/150], Loss: 0.0427

Epoch [92/150], Loss: 0.0452

Epoch [93/150], Loss: 0.0392

Epoch [94/150], Loss: 0.0401

Epoch [95/150], Loss: 0.0361

Epoch [96/150], Loss: 0.0361

Epoch [97/150], Loss: 0.0371

Epoch [98/150], Loss: 0.0363

Epoch [99/150], Loss: 0.0366

Epoch [100/150], Loss: 0.0343

Epoch [101/150], Loss: 0.0355

Epoch [102/150], Loss: 0.0354

Epoch [103/150], Loss: 0.0316

Epoch [104/150], Loss: 0.0296

Epoch [105/150], Loss: 0.0325

Epoch [106/150], Loss: 0.0279

Epoch [107/150], Loss: 0.0312

Epoch [108/150], Loss: 0.0302

Epoch [109/150], Loss: 0.0289

Epoch [110/150], Loss: 0.0275

Epoch [111/150], Loss: 0.0297

Epoch [112/150], Loss: 0.0265

Epoch [113/150], Loss: 0.0300

Epoch [114/150], Loss: 0.0274

Epoch [115/150], Loss: 0.0289

Epoch [116/150], Loss: 0.0245

Epoch [117/150], Loss: 0.0279

Epoch [118/150], Loss: 0.0298

Epoch [119/150], Loss: 0.0284

Epoch [120/150], Loss: 0.0241

Epoch [121/150], Loss: 0.0221

Epoch [122/150], Loss: 0.0294

Epoch [123/150], Loss: 0.0240

Epoch [124/150], Loss: 0.0225

Epoch [125/150], Loss: 0.0236

Epoch [126/150], Loss: 0.0273

Epoch [127/150], Loss: 0.0243

Epoch [128/150], Loss: 0.0215

Epoch [129/150], Loss: 0.0203

Epoch [130/150], Loss: 0.0229

Epoch [131/150], Loss: 0.0259

Epoch [132/150], Loss: 0.0216

Epoch [133/150], Loss: 0.0202

Epoch [134/150], Loss: 0.0232

Epoch [135/150], Loss: 0.0191

Epoch [136/150], Loss: 0.0206

Epoch [137/150], Loss: 0.0199

Epoch [138/150], Loss: 0.0204

Epoch [139/150], Loss: 0.0215

Epoch [140/150], Loss: 0.0189

Epoch [141/150], Loss: 0.0199

Epoch [142/150], Loss: 0.0220

Epoch [143/150], Loss: 0.0183

Epoch [144/150], Loss: 0.0177

Epoch [145/150], Loss: 0.0179

Epoch [146/150], Loss: 0.0205

Epoch [147/150], Loss: 0.0161

Epoch [148/150], Loss: 0.0188

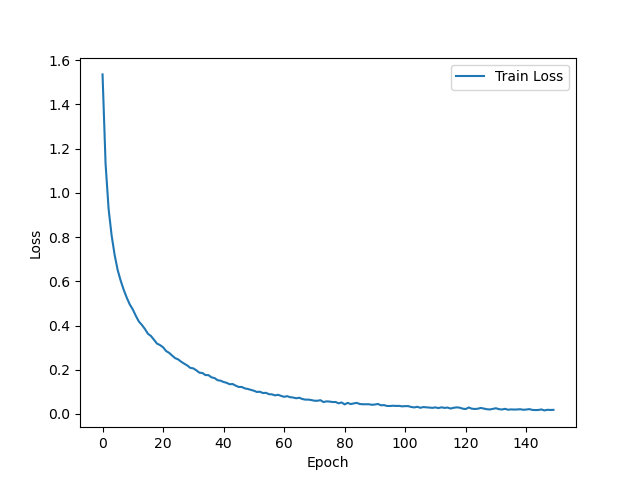
Epoch [149/150], Loss: 0.0181

Epoch [150/150], Loss: 0.0185

Training finished!

Files already downloaded and verified

Test Accuracy: 0.89



Cifar10 test:

Epoch [1/20], Loss: 0.1189

Epoch [1/20], Test Loss: 0.0445

Epoch [2/20], Loss: 0.0282

Epoch [2/20], Test Loss: 0.0334

Epoch [3/20], Loss: 0.0160

Epoch [3/20], Test Loss: 0.0346

Epoch [4/20], Loss: 0.0098

Epoch [4/20], Test Loss: 0.0288

Epoch [5/20], Loss: 0.0055

Epoch [5/20], Test Loss: 0.0258

Epoch [6/20], Loss: 0.0036

Epoch [6/20], Test Loss: 0.0321

Epoch [7/20], Loss: 0.0044

Epoch [7/20], Test Loss: 0.0262

Epoch [8/20], Loss: 0.0029

Epoch [8/20], Test Loss: 0.0258

Epoch [9/20], Loss: 0.0012

Epoch [9/20], Test Loss: 0.0240

Epoch [10/20], Loss: 0.0020

Epoch [10/20], Test Loss: 0.0250

Epoch [11/20], Loss: 0.0018

Epoch [11/20], Test Loss: 0.0284

Epoch [12/20], Loss: 0.0012

Epoch [12/20], Test Loss: 0.0256

Epoch [13/20], Loss: 0.0008

Epoch [13/20], Test Loss: 0.0234

Epoch [14/20], Loss: 0.0007

Epoch [14/20], Test Loss: 0.0245

Epoch [15/20], Loss: 0.0002

Epoch [15/20], Test Loss: 0.0233

Epoch [16/20], Loss: 0.0001

Epoch [16/20], Test Loss: 0.0236

Epoch [17/20], Loss: 0.0002

Epoch [17/20], Test Loss: 0.0234

Epoch [18/20], Loss: 0.0005

Epoch [18/20], Test Loss: 0.0258

Epoch [19/20], Loss: 0.0006

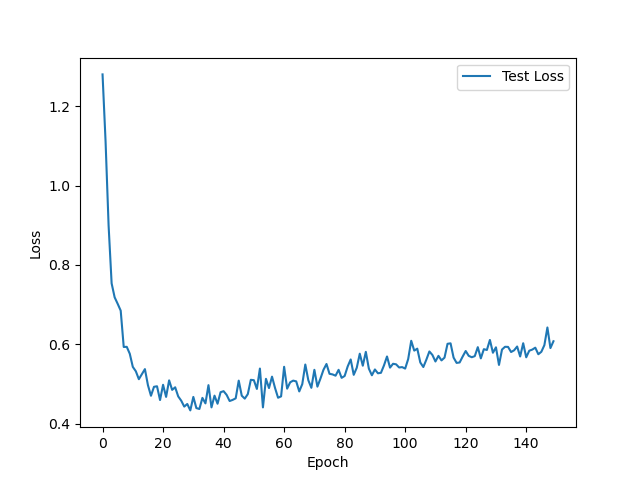
Epoch [19/20], Test Loss: 0.0241

Epoch [20/20], Loss: 0.0002

Epoch [20/20], Test Loss: 0.0257

Training finished!

Test Accuracy: 0.99



Cifar100\_original\_test loss

Epoch [1/200], Loss: 3.8492

Epoch [1/200], Test Loss: 3.4118

Epoch [2/200], Loss: 3.1842

Epoch [2/200], Test Loss: 3.1217

Epoch [3/200], Loss: 2.8289

Epoch [3/200], Test Loss: 2.7361

Epoch [4/200], Loss: 2.5774

Epoch [4/200], Test Loss: 2.6337

Epoch [5/200], Loss: 2.3903

Epoch [5/200], Test Loss: 2.4024

Epoch [6/200], Loss: 2.2401

Epoch [6/200], Test Loss: 2.3451

Epoch [7/200], Loss: 2.1164

Epoch [7/200], Test Loss: 2.2395

Epoch [8/200], Loss: 2.0164

Epoch [8/200], Test Loss: 2.1412

Epoch [9/200], Loss: 1.9313

Epoch [9/200], Test Loss: 2.1432

Epoch [10/200], Loss: 1.8502

Epoch [10/200], Test Loss: 1.9618

Epoch [11/200], Loss: 1.7889

Epoch [11/200], Test Loss: 2.0584

Epoch [12/200], Loss: 1.7371

Epoch [12/200], Test Loss: 1.9290

Epoch [13/200], Loss: 1.6846

Epoch [13/200], Test Loss: 1.9108

Epoch [14/200], Loss: 1.6422

Epoch [14/200], Test Loss: 1.9574

Epoch [15/200], Loss: 1.6064

Epoch [15/200], Test Loss: 1.8656

Epoch [16/200], Loss: 1.5685

Epoch [16/200], Test Loss: 1.7795

Epoch [17/200], Loss: 1.5350

Epoch [17/200], Test Loss: 1.7576

Epoch [18/200], Loss: 1.5082

Epoch [18/200], Test Loss: 1.8231

Epoch [19/200], Loss: 1.4942

Epoch [19/200], Test Loss: 1.7425

Epoch [20/200], Loss: 1.4612

Epoch [20/200], Test Loss: 1.7750

Epoch [21/200], Loss: 1.4422

Epoch [21/200], Test Loss: 1.7131

Epoch [22/200], Loss: 1.4112

Epoch [22/200], Test Loss: 1.7722

Epoch [23/200], Loss: 1.4002

Epoch [23/200], Test Loss: 1.6959

Epoch [24/200], Loss: 1.3849

Epoch [24/200], Test Loss: 1.6977

Epoch [25/200], Loss: 1.3714

Epoch [25/200], Test Loss: 1.7730

Epoch [26/200], Loss: 1.3387

Epoch [26/200], Test Loss: 1.7079

Epoch [27/200], Loss: 1.3300

Epoch [27/200], Test Loss: 1.6567

Epoch [28/200], Loss: 1.3167

Epoch [28/200], Test Loss: 1.6608

Epoch [29/200], Loss: 1.3045

Epoch [29/200], Test Loss: 1.5785

Epoch [30/200], Loss: 1.2936

Epoch [30/200], Test Loss: 1.5921

Epoch [31/200], Loss: 1.2906

Epoch [31/200], Test Loss: 1.6156

Epoch [32/200], Loss: 1.2610

Epoch [32/200], Test Loss: 1.7375

Epoch [33/200], Loss: 1.2586

Epoch [33/200], Test Loss: 1.6170

Epoch [34/200], Loss: 1.2578

Epoch [34/200], Test Loss: 1.6357

Epoch [35/200], Loss: 1.2471

Epoch [35/200], Test Loss: 1.6075

Epoch [36/200], Loss: 1.2401

Epoch [36/200], Test Loss: 1.6332

Epoch [37/200], Loss: 1.2284

Epoch [37/200], Test Loss: 1.6089

Epoch [38/200], Loss: 1.2168

Epoch [38/200], Test Loss: 1.6483

Epoch [39/200], Loss: 1.2092

Epoch [39/200], Test Loss: 1.5914

Epoch [40/200], Loss: 1.1836

Epoch [40/200], Test Loss: 1.7014

Epoch [41/200], Loss: 1.1896

Epoch [41/200], Test Loss: 1.6165

Epoch [42/200], Loss: 1.1687

Epoch [42/200], Test Loss: 1.6375

Epoch [43/200], Loss: 1.1559

Epoch [43/200], Test Loss: 1.6115

Epoch [44/200], Loss: 1.1489

Epoch [44/200], Test Loss: 1.7536

Epoch [45/200], Loss: 1.1478

Epoch [45/200], Test Loss: 1.5466

Epoch [46/200], Loss: 1.1330

Epoch [46/200], Test Loss: 1.5707

Epoch [47/200], Loss: 1.1337

Epoch [47/200], Test Loss: 1.6369

Epoch [48/200], Loss: 1.1256

Epoch [48/200], Test Loss: 1.6221

Epoch [49/200], Loss: 1.1145

Epoch [49/200], Test Loss: 1.5650

Epoch [50/200], Loss: 1.1159

Epoch [50/200], Test Loss: 1.6328

Epoch [51/200], Loss: 1.1036

Epoch [51/200], Test Loss: 1.5618

Epoch [52/200], Loss: 1.0959

Epoch [52/200], Test Loss: 1.5882

Epoch [53/200], Loss: 1.0861

Epoch [53/200], Test Loss: 1.5979

Epoch [54/200], Loss: 1.0766

Epoch [54/200], Test Loss: 1.6218

Epoch [55/200], Loss: 1.0799

Epoch [55/200], Test Loss: 1.5874

Epoch [56/200], Loss: 1.0715

Epoch [56/200], Test Loss: 1.5559

Epoch [57/200], Loss: 1.0620

Epoch [57/200], Test Loss: 1.6880

Epoch [58/200], Loss: 1.0618

Epoch [58/200], Test Loss: 1.5749

Epoch [59/200], Loss: 1.0489

Epoch [59/200], Test Loss: 1.5528

Epoch [60/200], Loss: 1.0477

Epoch [60/200], Test Loss: 1.5666

Epoch [61/200], Loss: 1.0459

Epoch [61/200], Test Loss: 1.5810

Epoch [62/200], Loss: 1.0525

Epoch [62/200], Test Loss: 1.6020

Epoch [63/200], Loss: 1.0377

Epoch [63/200], Test Loss: 1.5520

Epoch [64/200], Loss: 1.0275

Epoch [64/200], Test Loss: 1.5016

Epoch [65/200], Loss: 1.0298

Epoch [65/200], Test Loss: 1.5865

Epoch [66/200], Loss: 1.0162

Epoch [66/200], Test Loss: 1.5928

Epoch [67/200], Loss: 1.0226

Epoch [67/200], Test Loss: 1.5936

Epoch [68/200], Loss: 1.0118

Epoch [68/200], Test Loss: 1.5140

Epoch [69/200], Loss: 1.0177

Epoch [69/200], Test Loss: 1.5274

Epoch [70/200], Loss: 1.0114

Epoch [70/200], Test Loss: 1.6335

Epoch [71/200], Loss: 0.9971

Epoch [71/200], Test Loss: 1.5698

Epoch [72/200], Loss: 1.0009

Epoch [72/200], Test Loss: 1.6240

Epoch [73/200], Loss: 1.0076

Epoch [73/200], Test Loss: 1.6526

Epoch [74/200], Loss: 0.9984

Epoch [74/200], Test Loss: 1.5891

Epoch [75/200], Loss: 0.9843

Epoch [75/200], Test Loss: 1.6170

Epoch [76/200], Loss: 0.9823

Epoch [76/200], Test Loss: 1.5869

Epoch [77/200], Loss: 0.9952

Epoch [77/200], Test Loss: 1.4763

Epoch [78/200], Loss: 0.9726

Epoch [78/200], Test Loss: 1.5069

Epoch [79/200], Loss: 0.9815

Epoch [79/200], Test Loss: 1.5624

Epoch [80/200], Loss: 0.9770

Epoch [80/200], Test Loss: 1.5900

Epoch [81/200], Loss: 0.9805

Epoch [81/200], Test Loss: 1.4988

Epoch [82/200], Loss: 0.9687

Epoch [82/200], Test Loss: 1.5845

Epoch [83/200], Loss: 0.9607

Epoch [83/200], Test Loss: 1.5419

Epoch [84/200], Loss: 0.9671

Epoch [84/200], Test Loss: 1.6071

Epoch [85/200], Loss: 0.9568

Epoch [85/200], Test Loss: 1.5578

Epoch [86/200], Loss: 0.9623

Epoch [86/200], Test Loss: 1.5664

Epoch [87/200], Loss: 0.9601

Epoch [87/200], Test Loss: 1.6196

Epoch [88/200], Loss: 0.9597

Epoch [88/200], Test Loss: 1.5404

Epoch [89/200], Loss: 0.9489

Epoch [89/200], Test Loss: 1.5224

Epoch [90/200], Loss: 0.9521

Epoch [90/200], Test Loss: 1.4794

Epoch [91/200], Loss: 0.9498

Epoch [91/200], Test Loss: 1.5387

Epoch [92/200], Loss: 0.9478

Epoch [92/200], Test Loss: 1.5790

Epoch [93/200], Loss: 0.9414

Epoch [93/200], Test Loss: 1.5581

Epoch [94/200], Loss: 0.9329

Epoch [94/200], Test Loss: 1.5799

Epoch [95/200], Loss: 0.9415

Epoch [95/200], Test Loss: 1.5589

Epoch [96/200], Loss: 0.9329

Epoch [96/200], Test Loss: 1.4801

Epoch [97/200], Loss: 0.9422

Epoch [97/200], Test Loss: 1.5543

Epoch [98/200], Loss: 0.9232

Epoch [98/200], Test Loss: 1.6689

Epoch [99/200], Loss: 0.9327

Epoch [99/200], Test Loss: 1.4812

Epoch [100/200], Loss: 0.9380

Epoch [100/200], Test Loss: 1.5537

Epoch [101/200], Loss: 0.9229

Epoch [101/200], Test Loss: 1.5659

Epoch [102/200], Loss: 0.9198

Epoch [102/200], Test Loss: 1.4579

Epoch [103/200], Loss: 0.9333

Epoch [103/200], Test Loss: 1.5317

Epoch [104/200], Loss: 0.9215

Epoch [104/200], Test Loss: 1.5389

Epoch [105/200], Loss: 0.9190

Epoch [105/200], Test Loss: 1.5248

Epoch [106/200], Loss: 0.9126

Epoch [106/200], Test Loss: 1.5653

Epoch [107/200], Loss: 0.9272

Epoch [107/200], Test Loss: 1.5514

Epoch [108/200], Loss: 0.9133

Epoch [108/200], Test Loss: 1.5413

Epoch [109/200], Loss: 0.9160

Epoch [109/200], Test Loss: 1.5327

Epoch [110/200], Loss: 0.9056

Epoch [110/200], Test Loss: 1.5226

Epoch [111/200], Loss: 0.9171

Epoch [111/200], Test Loss: 1.5897

Epoch [112/200], Loss: 0.9029

Epoch [112/200], Test Loss: 1.5899

Epoch [113/200], Loss: 0.9108

Epoch [113/200], Test Loss: 1.4814

Epoch [114/200], Loss: 0.9114

Epoch [114/200], Test Loss: 1.5054

Epoch [115/200], Loss: 0.9058

Epoch [115/200], Test Loss: 1.5284

Epoch [116/200], Loss: 0.9043

Epoch [116/200], Test Loss: 1.5084

Epoch [117/200], Loss: 0.8897

Epoch [117/200], Test Loss: 1.4972

Epoch [118/200], Loss: 0.8972

Epoch [118/200], Test Loss: 1.6752

Epoch [119/200], Loss: 0.9044

Epoch [119/200], Test Loss: 1.5633

Epoch [120/200], Loss: 0.8997

Epoch [120/200], Test Loss: 1.5371

Epoch [121/200], Loss: 0.8959

Epoch [121/200], Test Loss: 1.4508

Epoch [122/200], Loss: 0.9041

Epoch [122/200], Test Loss: 1.6108

Epoch [123/200], Loss: 0.8828

Epoch [123/200], Test Loss: 1.5729

Epoch [124/200], Loss: 0.8916

Epoch [124/200], Test Loss: 1.5124

Epoch [125/200], Loss: 0.8875

Epoch [125/200], Test Loss: 1.5417

Epoch [126/200], Loss: 0.8998

Epoch [126/200], Test Loss: 1.6502

Epoch [127/200], Loss: 0.8836

Epoch [127/200], Test Loss: 1.4990

Epoch [128/200], Loss: 0.8983

Epoch [128/200], Test Loss: 1.5368

Epoch [129/200], Loss: 0.8908

Epoch [129/200], Test Loss: 1.5441

Epoch [130/200], Loss: 0.8811

Epoch [130/200], Test Loss: 1.5967

Epoch [131/200], Loss: 0.8875

Epoch [131/200], Test Loss: 1.4862

Epoch [132/200], Loss: 0.8920

Epoch [132/200], Test Loss: 1.5539

Epoch [133/200], Loss: 0.8936

Epoch [133/200], Test Loss: 1.5260

Epoch [134/200], Loss: 0.8816

Epoch [134/200], Test Loss: 1.5172

Epoch [135/200], Loss: 0.8805

Epoch [135/200], Test Loss: 1.5038

Epoch [136/200], Loss: 0.8833

Epoch [136/200], Test Loss: 1.5250

Epoch [137/200], Loss: 0.8750

Epoch [137/200], Test Loss: 1.5854

Epoch [138/200], Loss: 0.8749

Epoch [138/200], Test Loss: 1.6232

Epoch [139/200], Loss: 0.8764

Epoch [139/200], Test Loss: 1.5155

Epoch [140/200], Loss: 0.8817

Epoch [140/200], Test Loss: 1.5325

Epoch [141/200], Loss: 0.8802

Epoch [141/200], Test Loss: 1.6070

Epoch [142/200], Loss: 0.8789

Epoch [142/200], Test Loss: 1.5407

Epoch [143/200], Loss: 0.8675

Epoch [143/200], Test Loss: 1.5629

Epoch [144/200], Loss: 0.8710

Epoch [144/200], Test Loss: 1.5655

Epoch [145/200], Loss: 0.8761

Epoch [145/200], Test Loss: 1.4768

Epoch [146/200], Loss: 0.8716

Epoch [146/200], Test Loss: 1.5777

Epoch [147/200], Loss: 0.8757

Epoch [147/200], Test Loss: 1.4608

Epoch [148/200], Loss: 0.8670

Epoch [148/200], Test Loss: 1.5883

Epoch [149/200], Loss: 0.8800

Epoch [149/200], Test Loss: 1.5261

Epoch [150/200], Loss: 0.8728

Epoch [150/200], Test Loss: 1.5997

Epoch [151/200], Loss: 0.8612

Epoch [151/200], Test Loss: 1.5722

Epoch [152/200], Loss: 0.8652

Epoch [152/200], Test Loss: 1.5484

Epoch [153/200], Loss: 0.8535

Epoch [153/200], Test Loss: 1.5479

Epoch [154/200], Loss: 0.8605

Epoch [154/200], Test Loss: 1.5328

Epoch [155/200], Loss: 0.8707

Epoch [155/200], Test Loss: 1.4692

Epoch [156/200], Loss: 0.8705

Epoch [156/200], Test Loss: 1.5810

Epoch [157/200], Loss: 0.8653

Epoch [157/200], Test Loss: 1.5421

Epoch [158/200], Loss: 0.8628

Epoch [158/200], Test Loss: 1.6210

Epoch [159/200], Loss: 0.8655

Epoch [159/200], Test Loss: 1.6865

Epoch [160/200], Loss: 0.8640

Epoch [160/200], Test Loss: 1.6018

Epoch [161/200], Loss: 0.8512

Epoch [161/200], Test Loss: 1.4441

Epoch [162/200], Loss: 0.8609

Epoch [162/200], Test Loss: 1.4826

Epoch [163/200], Loss: 0.8651

Epoch [163/200], Test Loss: 1.6536

Epoch [164/200], Loss: 0.8595

Epoch [164/200], Test Loss: 1.5063

Epoch [165/200], Loss: 0.8536

Epoch [165/200], Test Loss: 1.6036

Epoch [166/200], Loss: 0.8596

Epoch [166/200], Test Loss: 1.5383

Epoch [167/200], Loss: 0.8448

Epoch [167/200], Test Loss: 1.5571

Epoch [168/200], Loss: 0.8637

Epoch [168/200], Test Loss: 1.6019

Epoch [169/200], Loss: 0.8516

Epoch [169/200], Test Loss: 1.5902

Epoch [170/200], Loss: 0.8553

Epoch [170/200], Test Loss: 1.5000

Epoch [171/200], Loss: 0.8570

Epoch [171/200], Test Loss: 1.5120

Epoch [172/200], Loss: 0.8460

Epoch [172/200], Test Loss: 1.5600

Epoch [173/200], Loss: 0.8536

Epoch [173/200], Test Loss: 1.5872

Epoch [174/200], Loss: 0.8445

Epoch [174/200], Test Loss: 1.5611

Epoch [175/200], Loss: 0.8558

Epoch [175/200], Test Loss: 1.5528

Epoch [176/200], Loss: 0.8603

Epoch [176/200], Test Loss: 1.4787

Epoch [177/200], Loss: 0.8528

Epoch [177/200], Test Loss: 1.4929

Epoch [178/200], Loss: 0.8448

Epoch [178/200], Test Loss: 1.5980

Epoch [179/200], Loss: 0.8523

Epoch [179/200], Test Loss: 1.5275

Epoch [180/200], Loss: 0.8534

Epoch [180/200], Test Loss: 1.4895

Epoch [181/200], Loss: 0.8355

Epoch [181/200], Test Loss: 1.5801

Epoch [182/200], Loss: 0.8448

Epoch [182/200], Test Loss: 1.5676

Epoch [183/200], Loss: 0.8401

Epoch [183/200], Test Loss: 1.4939

Epoch [184/200], Loss: 0.8412

Epoch [184/200], Test Loss: 1.4726

Epoch [185/200], Loss: 0.8373

Epoch [185/200], Test Loss: 1.5149

Epoch [186/200], Loss: 0.8461

Epoch [186/200], Test Loss: 1.5986

Epoch [187/200], Loss: 0.8396

Epoch [187/200], Test Loss: 1.4737

Epoch [188/200], Loss: 0.8444

Epoch [188/200], Test Loss: 1.6076

Epoch [189/200], Loss: 0.8326

Epoch [189/200], Test Loss: 1.4902

Epoch [190/200], Loss: 0.8419

Epoch [190/200], Test Loss: 1.4851

Epoch [191/200], Loss: 0.8503

Epoch [191/200], Test Loss: 1.5629

Epoch [192/200], Loss: 0.8452

Epoch [192/200], Test Loss: 1.5571

Epoch [193/200], Loss: 0.8481

Epoch [193/200], Test Loss: 1.5183

Epoch [194/200], Loss: 0.8349

Epoch [194/200], Test Loss: 1.5426

Epoch [195/200], Loss: 0.8404

Epoch [195/200], Test Loss: 1.6359

Epoch [196/200], Loss: 0.8237

Epoch [196/200], Test Loss: 1.5191

Epoch [197/200], Loss: 0.8361

Epoch [197/200], Test Loss: 1.6717

Epoch [198/200], Loss: 0.8376

Epoch [198/200], Test Loss: 1.5922

Epoch [199/200], Loss: 0.8558

Epoch [199/200], Test Loss: 1.5597

Epoch [200/200], Loss: 0.8418

Epoch [200/200], Test Loss: 1.5225

Training finished!

Test Accuracy: 0.62

A graph of a line

Description automatically generated

A graph with a blue line

Description automatically generated

Resnet50\_ciifar100:

Epoch [1/200], Loss: 4.0730

Epoch [1/200], Test Loss: 3.5773

Epoch [2/200], Loss: 3.4197

Epoch [2/200], Test Loss: 3.2612

Epoch [3/200], Loss: 3.1015

Epoch [3/200], Test Loss: 2.9837

Epoch [4/200], Loss: 2.8621

Epoch [4/200], Test Loss: 2.8059

Epoch [5/200], Loss: 2.6506

Epoch [5/200], Test Loss: 2.6354

Epoch [6/200], Loss: 2.4703

Epoch [6/200], Test Loss: 2.5041

Epoch [7/200], Loss: 2.3239

Epoch [7/200], Test Loss: 2.3485

Epoch [8/200], Loss: 2.1960

Epoch [8/200], Test Loss: 2.3577

Epoch [9/200], Loss: 2.0849

Epoch [9/200], Test Loss: 2.1473

Epoch [10/200], Loss: 1.9911

Epoch [10/200], Test Loss: 2.0862

Epoch [11/200], Loss: 1.9044

Epoch [11/200], Test Loss: 2.0455

Epoch [12/200], Loss: 1.8305

Epoch [12/200], Test Loss: 2.0378

Epoch [13/200], Loss: 1.7561

Epoch [13/200], Test Loss: 1.9156

Epoch [14/200], Loss: 1.7011

Epoch [14/200], Test Loss: 1.9620

Epoch [15/200], Loss: 1.6542

Epoch [15/200], Test Loss: 1.9100

Epoch [16/200], Loss: 1.6139

Epoch [16/200], Test Loss: 1.8298

Epoch [17/200], Loss: 1.5758

Epoch [17/200], Test Loss: 1.7802

Epoch [18/200], Loss: 1.5387

Epoch [18/200], Test Loss: 1.8531

Epoch [19/200], Loss: 1.5113

Epoch [19/200], Test Loss: 1.8467

Epoch [20/200], Loss: 1.4837

Epoch [20/200], Test Loss: 1.8097

Epoch [21/200], Loss: 1.4623

Epoch [21/200], Test Loss: 1.7132

Epoch [22/200], Loss: 1.4374

Epoch [22/200], Test Loss: 1.6499

Epoch [23/200], Loss: 1.4313

Epoch [23/200], Test Loss: 1.7172

Epoch [24/200], Loss: 1.4135

Epoch [24/200], Test Loss: 1.8027

Epoch [25/200], Loss: 1.3870

Epoch [25/200], Test Loss: 1.6493

Epoch [26/200], Loss: 1.3758

Epoch [26/200], Test Loss: 1.5938

Epoch [27/200], Loss: 1.3626

Epoch [27/200], Test Loss: 1.6693

Epoch [28/200], Loss: 1.3475

Epoch [28/200], Test Loss: 1.6525

Epoch [29/200], Loss: 1.3368

Epoch [29/200], Test Loss: 1.7149

Epoch [30/200], Loss: 1.3191

Epoch [30/200], Test Loss: 1.6415

Epoch [31/200], Loss: 1.3068

Epoch [31/200], Test Loss: 1.6197

Epoch [32/200], Loss: 1.2901

Epoch [32/200], Test Loss: 1.5727

Epoch [33/200], Loss: 1.2809

Epoch [33/200], Test Loss: 1.7249

Epoch [34/200], Loss: 1.2724

Epoch [34/200], Test Loss: 1.5452

Epoch [35/200], Loss: 1.2673

Epoch [35/200], Test Loss: 1.5364

Epoch [36/200], Loss: 1.2567

Epoch [36/200], Test Loss: 1.5871

Epoch [37/200], Loss: 1.2430

Epoch [37/200], Test Loss: 1.6540

Epoch [38/200], Loss: 1.2381

Epoch [38/200], Test Loss: 1.5512

Epoch [39/200], Loss: 1.2284

Epoch [39/200], Test Loss: 1.6052

Epoch [40/200], Loss: 1.2273

Epoch [40/200], Test Loss: 1.6613

Epoch [41/200], Loss: 1.2172

Epoch [41/200], Test Loss: 1.5382

Epoch [42/200], Loss: 1.2010

Epoch [42/200], Test Loss: 1.5883

Epoch [43/200], Loss: 1.1967

Epoch [43/200], Test Loss: 1.5852

Epoch [44/200], Loss: 1.1811

Epoch [44/200], Test Loss: 1.5639

Epoch [45/200], Loss: 1.1831

Epoch [45/200], Test Loss: 1.4893

Epoch [46/200], Loss: 1.1669

Epoch [46/200], Test Loss: 1.6172

Epoch [47/200], Loss: 1.1650

Epoch [47/200], Test Loss: 1.5408

Epoch [48/200], Loss: 1.1458

Epoch [48/200], Test Loss: 1.5156

Epoch [49/200], Loss: 1.1391

Epoch [49/200], Test Loss: 1.5575

Epoch [50/200], Loss: 1.1368

Epoch [50/200], Test Loss: 1.6668

Epoch [51/200], Loss: 1.1224

Epoch [51/200], Test Loss: 1.5147

Epoch [52/200], Loss: 1.1238

Epoch [52/200], Test Loss: 1.6407

Epoch [53/200], Loss: 1.1192

Epoch [53/200], Test Loss: 1.5481

Epoch [54/200], Loss: 1.1173

Epoch [54/200], Test Loss: 1.5509

Epoch [55/200], Loss: 1.0965

Epoch [55/200], Test Loss: 1.5467

Epoch [56/200], Loss: 1.0987

Epoch [56/200], Test Loss: 1.5030

Epoch [57/200], Loss: 1.0983

Epoch [57/200], Test Loss: 1.4998

Epoch [58/200], Loss: 1.0862

Epoch [58/200], Test Loss: 1.5193

Epoch [59/200], Loss: 1.0818

Epoch [59/200], Test Loss: 1.5202

Epoch [60/200], Loss: 1.0690

Epoch [60/200], Test Loss: 1.5099

Epoch [61/200], Loss: 1.0744

Epoch [61/200], Test Loss: 1.5546

Epoch [62/200], Loss: 1.0651

Epoch [62/200], Test Loss: 1.4753

Epoch [63/200], Loss: 1.0666

Epoch [63/200], Test Loss: 1.6645

Epoch [64/200], Loss: 1.0553

Epoch [64/200], Test Loss: 1.5532

Epoch [65/200], Loss: 1.0617

Epoch [65/200], Test Loss: 1.5905

Epoch [66/200], Loss: 1.0438

Epoch [66/200], Test Loss: 1.5941

Epoch [67/200], Loss: 1.0535

Epoch [67/200], Test Loss: 1.5184

Epoch [68/200], Loss: 1.0410

Epoch [68/200], Test Loss: 1.5505

Epoch [69/200], Loss: 1.0376

Epoch [69/200], Test Loss: 1.5695

Epoch [70/200], Loss: 1.0294

Epoch [70/200], Test Loss: 1.5661

Epoch [71/200], Loss: 1.0205

Epoch [71/200], Test Loss: 1.5356

Epoch [72/200], Loss: 1.0194

Epoch [72/200], Test Loss: 1.5422

Epoch [73/200], Loss: 1.0234

Epoch [73/200], Test Loss: 1.5384

Epoch [74/200], Loss: 1.0207

Epoch [74/200], Test Loss: 1.5769

Epoch [75/200], Loss: 1.0091

Epoch [75/200], Test Loss: 1.5336

Epoch [76/200], Loss: 1.0008

Epoch [76/200], Test Loss: 1.4624

Epoch [77/200], Loss: 1.0035

Epoch [77/200], Test Loss: 1.4249

Epoch [78/200], Loss: 1.0023

Epoch [78/200], Test Loss: 1.6095

Epoch [79/200], Loss: 1.0001

Epoch [79/200], Test Loss: 1.5021

Epoch [80/200], Loss: 0.9935

Epoch [80/200], Test Loss: 1.5443

Epoch [81/200], Loss: 0.9887

Epoch [81/200], Test Loss: 1.6361

Epoch [82/200], Loss: 0.9911

Epoch [82/200], Test Loss: 1.5683

Epoch [83/200], Loss: 0.9839

Epoch [83/200], Test Loss: 1.4680

Epoch [84/200], Loss: 0.9823

Epoch [84/200], Test Loss: 1.4567

Epoch [85/200], Loss: 0.9753

Epoch [85/200], Test Loss: 1.5489

Epoch [86/200], Loss: 0.9821

Epoch [86/200], Test Loss: 1.4437

Epoch [87/200], Loss: 0.9719

Epoch [87/200], Test Loss: 1.6022

Epoch [88/200], Loss: 0.9780

Epoch [88/200], Test Loss: 1.4694

Epoch [89/200], Loss: 0.9682

Epoch [89/200], Test Loss: 1.5175

Epoch [90/200], Loss: 0.9672

Epoch [90/200], Test Loss: 1.5316

Epoch [91/200], Loss: 0.9701

Epoch [91/200], Test Loss: 1.5681

Epoch [92/200], Loss: 0.9549

Epoch [92/200], Test Loss: 1.5414

Epoch [93/200], Loss: 0.9586

Epoch [93/200], Test Loss: 1.5575

Epoch [94/200], Loss: 0.9492

Epoch [94/200], Test Loss: 1.5341

Epoch [95/200], Loss: 0.9491

Epoch [95/200], Test Loss: 1.4770

Epoch [96/200], Loss: 0.9515

Epoch [96/200], Test Loss: 1.5151

Epoch [97/200], Loss: 0.9578

Epoch [97/200], Test Loss: 1.4874

Epoch [98/200], Loss: 0.9492

Epoch [98/200], Test Loss: 1.5245

Epoch [99/200], Loss: 0.9487

Epoch [99/200], Test Loss: 1.5779

Epoch [100/200], Loss: 0.9437

Epoch [100/200], Test Loss: 1.4398

Epoch [101/200], Loss: 0.9483

Epoch [101/200], Test Loss: 1.5183

Epoch [102/200], Loss: 0.9300

Epoch [102/200], Test Loss: 1.5000

Epoch [103/200], Loss: 0.9424

Epoch [103/200], Test Loss: 1.6211

Epoch [104/200], Loss: 0.9320

Epoch [104/200], Test Loss: 1.5354

Epoch [105/200], Loss: 0.9481

Epoch [105/200], Test Loss: 1.6142

Epoch [106/200], Loss: 0.9286

Epoch [106/200], Test Loss: 1.5149

Epoch [107/200], Loss: 0.9263

Epoch [107/200], Test Loss: 1.4787

Epoch [108/200], Loss: 0.9322

Epoch [108/200], Test Loss: 1.4462

Epoch [109/200], Loss: 0.9304

Epoch [109/200], Test Loss: 1.5094

Epoch [110/200], Loss: 0.9194

Epoch [110/200], Test Loss: 1.4545

Epoch [111/200], Loss: 0.9203

Epoch [111/200], Test Loss: 1.5530

Epoch [112/200], Loss: 0.9096

Epoch [112/200], Test Loss: 1.5073

Epoch [113/200], Loss: 0.9171

Epoch [113/200], Test Loss: 1.5092

Epoch [114/200], Loss: 0.9195

Epoch [114/200], Test Loss: 1.4727

Epoch [115/200], Loss: 0.9195

Epoch [115/200], Test Loss: 1.4957

Epoch [116/200], Loss: 0.9117

Epoch [116/200], Test Loss: 1.5094

Epoch [117/200], Loss: 0.9130

Epoch [117/200], Test Loss: 1.4695

Epoch [118/200], Loss: 0.9075

Epoch [118/200], Test Loss: 1.5199

Epoch [119/200], Loss: 0.9174

Epoch [119/200], Test Loss: 1.5467

Epoch [120/200], Loss: 0.9088

Epoch [120/200], Test Loss: 1.4874

Epoch [121/200], Loss: 0.9012

Epoch [121/200], Test Loss: 1.5110

Epoch [122/200], Loss: 0.8976

Epoch [122/200], Test Loss: 1.5753

Epoch [123/200], Loss: 0.9027

Epoch [123/200], Test Loss: 1.5009

Epoch [124/200], Loss: 0.9021

Epoch [124/200], Test Loss: 1.5022

Epoch [125/200], Loss: 0.8983

Epoch [125/200], Test Loss: 1.5159

Epoch [126/200], Loss: 0.9134

Epoch [126/200], Test Loss: 1.4682

Epoch [127/200], Loss: 0.8953

Epoch [127/200], Test Loss: 1.4746

Epoch [128/200], Loss: 0.8959

Epoch [128/200], Test Loss: 1.4898

Epoch [129/200], Loss: 0.8921

Epoch [129/200], Test Loss: 1.4747

Epoch [130/200], Loss: 0.8929

Epoch [130/200], Test Loss: 1.5950

Epoch [131/200], Loss: 0.8955

Epoch [131/200], Test Loss: 1.5183

Epoch [132/200], Loss: 0.8890

Epoch [132/200], Test Loss: 1.4221

Epoch [133/200], Loss: 0.8855

Epoch [133/200], Test Loss: 1.4818

Epoch [134/200], Loss: 0.8924

Epoch [134/200], Test Loss: 1.5870

Epoch [135/200], Loss: 0.8864

Epoch [135/200], Test Loss: 1.5289

Epoch [136/200], Loss: 0.8874

Epoch [136/200], Test Loss: 1.4981

Epoch [137/200], Loss: 0.8853

Epoch [137/200], Test Loss: 1.4867

Epoch [138/200], Loss: 0.8845

Epoch [138/200], Test Loss: 1.5416

Epoch [139/200], Loss: 0.8897

Epoch [139/200], Test Loss: 1.5827

Epoch [140/200], Loss: 0.8649

Epoch [140/200], Test Loss: 1.4797

Epoch [141/200], Loss: 0.8703

Epoch [141/200], Test Loss: 1.4943

Epoch [142/200], Loss: 0.8875

Epoch [142/200], Test Loss: 1.5411

Epoch [143/200], Loss: 0.8774

Epoch [143/200], Test Loss: 1.6300

Epoch [144/200], Loss: 0.8824

Epoch [144/200], Test Loss: 1.5449

Epoch [145/200], Loss: 0.8734

Epoch [145/200], Test Loss: 1.4591

Epoch [146/200], Loss: 0.8641

Epoch [146/200], Test Loss: 1.6262

Epoch [147/200], Loss: 0.8840

Epoch [147/200], Test Loss: 1.4397

Epoch [148/200], Loss: 0.8703

Epoch [148/200], Test Loss: 1.5147

Epoch [149/200], Loss: 0.8697

Epoch [149/200], Test Loss: 1.4964

Epoch [150/200], Loss: 0.8581

Epoch [150/200], Test Loss: 1.4637

Epoch [151/200], Loss: 0.8638

Epoch [151/200], Test Loss: 1.5655

Epoch [152/200], Loss: 0.8760

Epoch [152/200], Test Loss: 1.4424

Epoch [153/200], Loss: 0.8679

Epoch [153/200], Test Loss: 1.5284

Epoch [154/200], Loss: 0.8667

Epoch [154/200], Test Loss: 1.5290

Epoch [155/200], Loss: 0.8680

Epoch [155/200], Test Loss: 1.4819

Epoch [156/200], Loss: 0.8574

Epoch [156/200], Test Loss: 1.5320

Epoch [157/200], Loss: 0.8619

Epoch [157/200], Test Loss: 1.5372

Epoch [158/200], Loss: 0.8624

Epoch [158/200], Test Loss: 1.5799

Epoch [159/200], Loss: 0.8711

Epoch [159/200], Test Loss: 1.6710

Epoch [160/200], Loss: 0.8585

Epoch [160/200], Test Loss: 1.4660

Epoch [161/200], Loss: 0.8687

Epoch [161/200], Test Loss: 1.4661

Epoch [162/200], Loss: 0.8590

Epoch [162/200], Test Loss: 1.5362

Epoch [163/200], Loss: 0.8605

Epoch [163/200], Test Loss: 1.5000

Epoch [164/200], Loss: 0.8534

Epoch [164/200], Test Loss: 1.4439

Epoch [165/200], Loss: 0.8547

Epoch [165/200], Test Loss: 1.4795

Epoch [166/200], Loss: 0.8593

Epoch [166/200], Test Loss: 1.4667

Epoch [167/200], Loss: 0.8596

Epoch [167/200], Test Loss: 1.4737

Epoch [168/200], Loss: 0.8570

Epoch [168/200], Test Loss: 1.4527

Epoch [169/200], Loss: 0.8603

Epoch [169/200], Test Loss: 1.4901

Epoch [170/200], Loss: 0.8560

Epoch [170/200], Test Loss: 1.5053

Epoch [171/200], Loss: 0.8467

Epoch [171/200], Test Loss: 1.5023

Epoch [172/200], Loss: 0.8447

Epoch [172/200], Test Loss: 1.5094

Epoch [173/200], Loss: 0.8492

Epoch [173/200], Test Loss: 1.4779

Epoch [174/200], Loss: 0.8663

Epoch [174/200], Test Loss: 1.5773

Epoch [175/200], Loss: 0.8558

Epoch [175/200], Test Loss: 1.4657

Epoch [176/200], Loss: 0.8456

Epoch [176/200], Test Loss: 1.5553

Epoch [177/200], Loss: 0.8446

Epoch [177/200], Test Loss: 1.5040

Epoch [178/200], Loss: 0.8480

Epoch [178/200], Test Loss: 1.4697

Epoch [179/200], Loss: 0.8414

Epoch [179/200], Test Loss: 1.5535

Epoch [180/200], Loss: 0.8469

Epoch [180/200], Test Loss: 1.5446

Epoch [181/200], Loss: 0.8424

Epoch [181/200], Test Loss: 1.5348

Epoch [182/200], Loss: 0.8430

Epoch [182/200], Test Loss: 1.5123

Epoch [183/200], Loss: 0.8494

Epoch [183/200], Test Loss: 1.4576

Epoch [184/200], Loss: 0.8488

Epoch [184/200], Test Loss: 1.5752

Epoch [185/200], Loss: 0.8427

Epoch [185/200], Test Loss: 1.4516

Epoch [186/200], Loss: 0.8408

Epoch [186/200], Test Loss: 1.4845

Epoch [187/200], Loss: 0.8396

Epoch [187/200], Test Loss: 1.5284

Epoch [188/200], Loss: 0.8451

Epoch [188/200], Test Loss: 1.5024

Epoch [189/200], Loss: 0.8451

Epoch [189/200], Test Loss: 1.5072

Epoch [190/200], Loss: 0.8436

Epoch [190/200], Test Loss: 1.5431

Epoch [191/200], Loss: 0.8367

Epoch [191/200], Test Loss: 1.5437

Epoch [192/200], Loss: 0.8294

Epoch [192/200], Test Loss: 1.5476

Epoch [193/200], Loss: 0.8373

Epoch [193/200], Test Loss: 1.5811

Epoch [194/200], Loss: 0.8323

Epoch [194/200], Test Loss: 1.5550

Epoch [195/200], Loss: 0.8365

Epoch [195/200], Test Loss: 1.5198

Epoch [196/200], Loss: 0.8339

Epoch [196/200], Test Loss: 1.5869

Epoch [197/200], Loss: 0.8307

Epoch [197/200], Test Loss: 1.5147

Epoch [198/200], Loss: 0.8382

Epoch [198/200], Test Loss: 1.4702

Epoch [199/200], Loss: 0.8318

Epoch [199/200], Test Loss: 1.5226

Epoch [200/200], Loss: 0.8232

Epoch [200/200], Test Loss: 1.8027

Training finished!

Test Accuracy: 0.57