

C:\Users\mjadi\AppData\Local\Program
s\Python\Python37\python.exe
"C:/Users/mjadi/Desktop/CS 541
DeepLearning/HW5/homework5_mjadil
etta/homework5_mjadiletta.py"

Epoch: 0 Loss testing:
11.304193369901823

Epoch: 1 Loss testing:
10.948905927735263

Epoch: 2 Loss testing:
8.759928304998837

Epoch: 3 Loss testing:
12.68547591101556

Epoch: 4 Loss testing:
11.11421237914049

Epoch: 5 Loss testing:
9.147689143918992

Epoch: 6 Loss testing:
10.012789009841033

Epoch: 7 Loss testing:
9.541174799404232

Epoch: 8 Loss testing:
9.189657667585701

Epoch: 9 Loss testing:
8.045374606356134

Epoch: 10 Loss testing:
8.740572215035433

Epoch: 11 Loss testing:
8.23052897800827

Epoch: 12 Loss testing:
10.43343423504425

Epoch: 13 Loss testing:
8.678756582341585

Epoch: 14 Loss testing:
8.840515435632112

Epoch: 15 Loss testing:
9.012344270116865

Epoch: 16 Loss testing:
8.328279629969643

Epoch: 17 Loss testing:
7.673264395606112

Epoch: 18 Loss testing:
7.575349744492672

Epoch: 19 Loss testing:
8.91093733684358

Epoch: 20 Loss testing:
7.539877281836342

Epoch: 21 Loss testing:
8.083476061969483

Epoch: 22 Loss testing:
7.33699654542724

Epoch: 23 Loss testing:
6.96784587882363

Epoch: 24 Loss testing:
6.319233672752204

Epoch: 25 Loss testing:
7.177543725730987

Epoch: 26 Loss testing:
6.33925958980053

Epoch: 27 Loss testing:
7.002825626014832

Epoch: 28 Loss testing:
6.759924807119545

Epoch: 29 Loss testing:
5.432474196700515

Epoch: 30 Loss testing:
6.630132946342144

Epoch: 31 Loss testing:
6.153805319426906

Epoch: 32 Loss testing:
7.459853109278487

Epoch: 33 Loss testing:
5.322557229543571

Epoch: 34 Loss testing:
6.014158092861426

Epoch: 35 Loss testing:
5.713303494428942

Epoch: 36 Loss testing:
5.359129828465435

Epoch: 37 Loss testing:
4.876847914882325

Epoch: 38 Loss testing:
6.140678324847973

Epoch: 39 Loss testing:
4.880152412111389

Epoch: 40 Loss testing:
4.885512880453223

Epoch: 41 Loss testing:
4.082900437489523

Epoch: 42 Loss testing:
5.355006588074861

Epoch: 43 Loss testing:
5.390080146897227

Epoch: 44 Loss testing:
5.312186494289104

Epoch: 45 Loss testing:
5.019223638959404

Epoch: 46 Loss testing:
4.842153003327237

Epoch: 47 Loss testing:
4.849763215329472

Epoch: 48 Loss testing:
4.490030657757856

Epoch: 49 Loss testing:
3.571088671304648

Epoch: 50 Loss testing:
4.097335687060456

Epoch: 51 Loss testing:
3.7299623094257126

Epoch: 52 Loss testing:
3.937549861508496

Epoch: 53 Loss testing:
4.211865346658346

Epoch: 54 Loss testing:
2.743484351921864

Epoch: 55 Loss testing:
3.747268419290852

Epoch: 56 Loss testing:
3.966913398589873

Epoch: 57 Loss testing:
3.2703356859034893

Epoch: 58 Loss testing:
3.9327162423443283

Epoch: 59 Loss testing:
4.013798010803686

Epoch: 60 Loss testing:
3.3961883076020714

Epoch: 61 Loss testing:
4.538543121682315

Epoch: 62 Loss testing:
3.131430306837329

Epoch: 63 Loss testing:
4.458940654715248

Epoch: 64 Loss testing: 3.8567989740603625	Epoch: 86 Loss testing: 2.348616422387949	Epoch: 108 Loss testing: 0.9090215682808555
Epoch: 65 Loss testing: 4.2127773838761655	Epoch: 87 Loss testing: 2.6163426054008507	Epoch: 109 Loss testing: 0.917365057835967
Epoch: 66 Loss testing: 3.676599650200265	Epoch: 88 Loss testing: 2.0337569777798845	Epoch: 110 Loss testing: 1.3209825684132914
Epoch: 67 Loss testing: 3.7526973403913586	Epoch: 89 Loss testing: 1.6456754559647035	Epoch: 111 Loss testing: 1.5087391527310614
Epoch: 68 Loss testing: 3.349230850104699	Epoch: 90 Loss testing: 2.512087927540265	Epoch: 112 Loss testing: 0.9747095995636584
Epoch: 69 Loss testing: 3.123471748357953	Epoch: 91 Loss testing: 3.1521171761047917	Epoch: 113 Loss testing: 1.027807687493767
Epoch: 70 Loss testing: 2.627191768398873	Epoch: 92 Loss testing: 2.9907459423567704	Epoch: 114 Loss testing: 1.0238965405793787
Epoch: 71 Loss testing: 2.7096713970658706	Epoch: 93 Loss testing: 2.069225821463923	Epoch: 115 Loss testing: 1.0285516133990094
Epoch: 72 Loss testing: 2.3945071007566576	Epoch: 94 Loss testing: 1.8629480846089306	Epoch: 116 Loss testing: 0.9096605580713073
Epoch: 73 Loss testing: 3.009876707665629	Epoch: 95 Loss testing: 2.5246020909368116	Epoch: 117 Loss testing: 0.7979847436210438
Epoch: 74 Loss testing: 2.8259034605977917	Epoch: 96 Loss testing: 1.8109667728785674	Epoch: 118 Loss testing: 0.7047151944541716
Epoch: 75 Loss testing: 2.6835297299877703	Epoch: 97 Loss testing: 1.917563444888326	Epoch: 119 Loss testing: 0.5989707405829262
Epoch: 76 Loss testing: 3.0443876388893694	Epoch: 98 Loss testing: 1.9084233930931436	Epoch: 120 Loss testing: 0.5135472201982375
Epoch: 77 Loss testing: 2.4474566672268425	Epoch: 99 Loss testing: 1.776000744366809	Epoch: 121 Loss testing: 0.5335994573378152
Epoch: 78 Loss testing: 3.8671630629324585	Epoch: 100 Loss testing: 1.946843229748665	Epoch: 122 Loss testing: 0.6087075681142066
Epoch: 79 Loss testing: 3.323027421212606	Epoch: 101 Loss testing: 1.8816487174570524	Epoch: 123 Loss testing: 0.37812662198002284
Epoch: 80 Loss testing: 2.5923339389592424	Epoch: 102 Loss testing: 2.115376143723582	Epoch: 124 Loss testing: 0.40609826154417433
Epoch: 81 Loss testing: 3.7372416546845053	Epoch: 103 Loss testing: 1.6475235139759599	Epoch: 125 Loss testing: 0.5454750795370749
Epoch: 82 Loss testing: 4.102563073200742	Epoch: 104 Loss testing: 1.739055891374694	Epoch: 126 Loss testing: 0.4036711050111351
Epoch: 83 Loss testing: 2.4743291040312076	Epoch: 105 Loss testing: 1.1435016153836226	Epoch: 127 Loss testing: 0.48463910074295097
Epoch: 84 Loss testing: 1.917557040634963	Epoch: 106 Loss testing: 1.2080320551230497	Epoch: 128 Loss testing: 0.24170422650596057
Epoch: 85 Loss testing: 2.1588191391900633	Epoch: 107 Loss testing: 1.3839258093878424	Epoch: 129 Loss testing: 0.2932945363002258

Epoch: 130 Loss
testing: 0.39357905089853373

Epoch: 131 Loss
testing: 0.297256048063559

Epoch: 132 Loss
testing: 0.3689631556517572

Epoch: 133 Loss
testing: 0.30258357641621847

Epoch: 134 Loss
testing: 0.20638995171899352

Epoch: 135 Loss
testing: 0.22639446657030105

Epoch: 136 Loss
testing: 0.307212110648035

Epoch: 137 Loss
testing: 0.35288527696811267

Epoch: 138 Loss
testing: 0.23168318196839735

Epoch: 139 Loss
testing: 0.1569040050995725

Epoch: 140 Loss
testing: 0.34846447672030934

Epoch: 141 Loss
testing: 0.24593886251943367

Epoch: 142 Loss
testing: 0.1692558513448247

Epoch: 143 Loss
testing: 0.1957433719497405

Epoch: 144 Loss
testing: 0.20253661138046908

Epoch: 145 Loss
testing: 0.13760039470059082

Epoch: 146 Loss
testing: 0.16488170459480497

Epoch: 147 Loss
testing: 0.11645743013613308

Epoch: 148 Loss
testing: 0.09901882076124954

Epoch: 149 Loss
testing: 0.07921435237800778

Epoch: 150 Loss
testing: 0.07040821857574826

Epoch: 151 Loss
testing: 0.12493969465653143

Epoch: 152 Loss
testing: 0.07702476566210638

Epoch: 153 Loss
testing: 0.1242705137712657

Epoch: 154 Loss
testing: 0.10169662966140894

Epoch: 155 Loss
testing: 0.07568749629853537

Epoch: 156 Loss
testing: 0.05045679940431873

Epoch: 157 Loss
testing: 0.06191805553422232

Epoch: 158 Loss
testing: 0.08113350607460568

Epoch: 159 Loss
testing: 0.04865436331193157

Accuracy Achieved!

Epoch: 159 Loss
training: 0.043559040725343875

Epoch: 159 Loss
testing: 0.04865436331193157

Process finished with exit code 0