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1 C:\Users\rachael\nehalani\anaconda3\envs\NeuralNetworks\python.exe C
:\Users\rachael\nehalani\PycharmProjects\NeuralNetworks\NN-PyTorch.py

2 Device: cpu
3 For Activation Function ReLU
4 For Depth = 3
5 and Width = 5, Training Error= 0.3177 and Testing Error= 0.3180
6 and Width = 10, Training Error= 0.0344 and Testing Error= 0.0460
7 and Width = 25, Training Error= 0.0046 and Testing Error= 0.0040
8 and Width = 50, Training Error= 0.0011 and Testing Error= 0.0020
9 and Width = 100, Training Error= 0.0011 and Testing Error= 0.0000
10 For Depth = 5
11 and Width = 5, Training Error= 0.4507 and Testing Error= 0.4320
12 and Width = 10, Training Error= 0.3532 and Testing Error= 0.3480
13 and Width = 25, Training Error= 0.0000 and Testing Error= 0.0040
14 and Width = 50, Training Error= 0.0000 and Testing Error= 0.0000
15 and Width = 100, Training Error= 0.0000 and Testing Error= 0.0000
16 For Depth = 9
17 and Width = 5, Training Error= 0.1628 and Testing Error= 0.1360
18 and Width = 10, Training Error= 0.0161 and Testing Error= 0.0220
19 and Width = 25, Training Error= 0.0000 and Testing Error= 0.0000
20 and Width = 50, Training Error= 0.0000 and Testing Error= 0.0020
21 and Width = 100, Training Error= 0.0000 and Testing Error= 0.0000
22 For Activation Function Tanh
23 For Depth = 3
24 and Width = 5, Training Error= 0.2489 and Testing Error= 0.3020
25 and Width = 10, Training Error= 0.1858 and Testing Error= 0.1960
26 and Width = 25, Training Error= 0.0126 and Testing Error= 0.0140
27 and Width = 50, Training Error= 0.0149 and Testing Error= 0.0120
28 and Width = 100, Training Error= 0.0069 and Testing Error= 0.0060
29 For Depth = 5
30 and Width = 5, Training Error= 0.2053 and Testing Error= 0.2080
31 and Width = 10, Training Error= 0.0161 and Testing Error= 0.0240
32 and Width = 25, Training Error= 0.0138 and Testing Error= 0.0140
33 and Width = 50, Training Error= 0.0000 and Testing Error= 0.0000
34 and Width = 100, Training Error= 0.0000 and Testing Error= 0.0000
35 For Depth = 9
36 and Width = 5, Training Error= 0.1479 and Testing Error= 0.1540
37 and Width = 10, Training Error= 0.0298 and Testing Error= 0.0400
38 and Width = 25, Training Error= 0.0069 and Testing Error= 0.0100
39 and Width = 50, Training Error= 0.0000 and Testing Error= 0.0020
40 and Width = 100, Training Error= 0.0000 and Testing Error= 0.0020
41
42 Process finished with exit code 0
43
```