Deep Leaning

Exercise 1

3.

Output:

X size: torch.Size([2000, 50])

Y size: torch.Size([2000, 1])

X test size: torch.Size([100, 50])

Y test size: torch.Size([100, 1])

Number of Epochs: 40.

Model accuracy: 100%

Number of Weights:4106001

6.

Output:

X size: torch.Size([2000, 50])

Y size: torch.Size([2000, 1])

X test size: torch.Size([100, 50])

Y test size: torch.Size([100, 1])

Number of Epochs: 50.

Model accuracy: 100%

Number of Weights:842001

1.

I used 4 layers(1 input,2 hidden,1 output)

X size: 50

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Layer | Input | Hidden1 | Hidden2 | output |
| #Neurons | 800 | 800 | 200 | 1 |