

Problem 1

Number of Hidden Layers	3
Number of neurons in layer 1	256
Number of neurons in layer 2	128
Number of neurons in layer 3	64
Activations used	ReLU, ReLU, Sigmoid
Learning Rate	0.001
Batch Size	8
Number of Epochs	260
Final Accuracy	training loss: 0.10188810928570108 training error: 0.03078 validation loss: 0.14370902707097516 validation error: 0.0399 test loss: 0.1564734572111104 test error: 0.0446

Visualization of training and Validation process:

