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In this homework simple neural network was implemented. For neural network forward propagation, loss measure and backward propagation was implemented. In each update the loss was measured. An example of graph of how loss changes over training is shown below in figure below.

I implemented node, layer and neural network behavior to simulate the Neural Network. Any number of layers can be added and tested. The output layer uses “RELU” activation function. The other hidden layers use “sigmoid” activation function. The launch of python file will generate 10 images of loss plot. If needed the number of tests can be increased .

