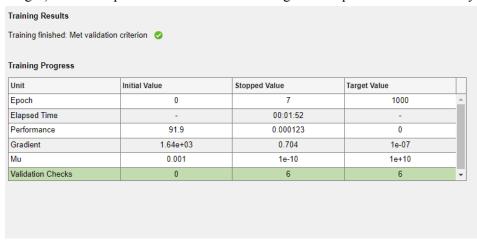
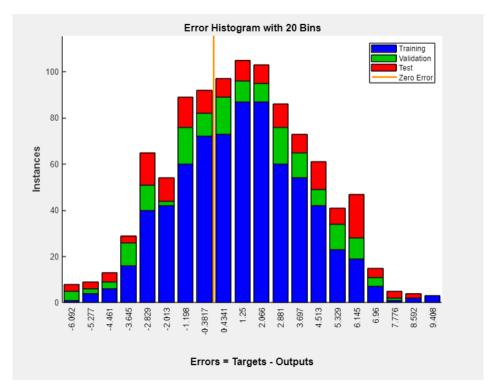
Matlab script(hw8.m)

```
% Just stuff from hw8 really, down to mnist_reduced being used again load('mnist.mat');
load('mnist_reduced.mat');
mnistReducedX = trainX(1:1000, :);
mnistReducedY = trainY(1:1000).';
%Respectively, and reminder for myself, trainX and trainY are response
% and predictive variables respectively.
```

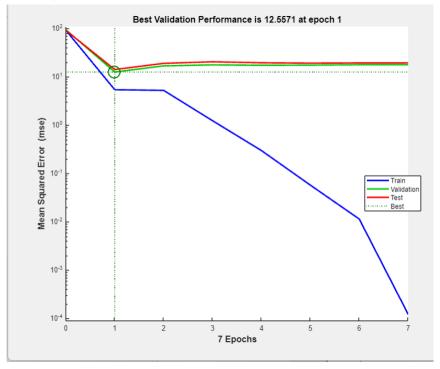
Output on Matlab

I used network time series to train the variables(trainX and trainY, which are loaded with only 1000 images). I was tempted to do the slowest training method possible but ultimately chose the fastest.





It had a zero error around the or in between the 8th and 9th bin. I believe anything before the orange is underestimating the data while everything after is overestimated(at least based off of a few forum posts and matlab guides online).



As seen here, the best performance is at the 1st epoch or first test run with the images.

