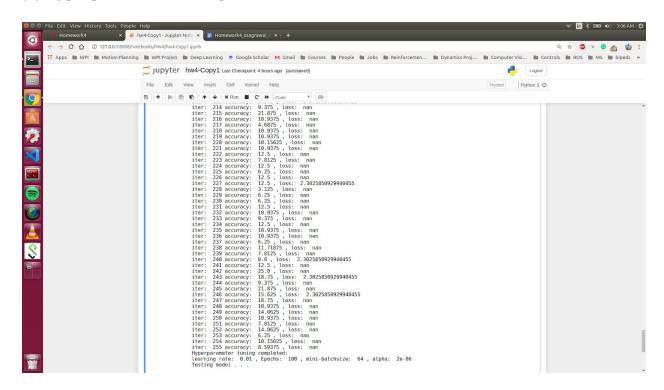
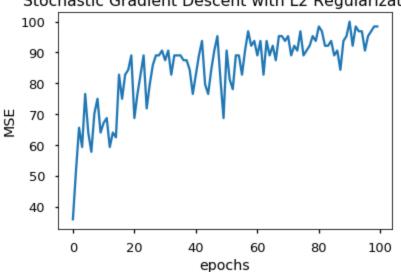
## (b) Hyperparameter Tuning:



## (c)Results:

Stochastic Gradient Descent with L2 Regularization



**Total Layers:** 3 (Input + Hidden + Output)

**Hidden Layers:** 40 neurons

accuracy (mean over last 10 samples): 96.40

**Cross entropy loss on test data:** 0.3201685067841064

**Tuned Hyperparameters:** 

learning rate: 0.01, Epochs: 100, mini-batchsize (in %): 64, alpha: 2e-06

