

Assignment 6

2.1

The hyperparameter that is incorrect is the `--learning_rate`. It is currently set as 10 when in fact it needs to be a smaller number. A good example of this would be if it is set equal to 0.01. The reason why this is needed is because it is used to calculate the loss. It normally gives a NaN if there is a high learning rate so it MUST be lowered.

2.2

Bob used the incorrect equation to make the input between -1 and 1. In order to do so you need to replace the `x = x / 128 - 128` with:

$$x = (x - 128) / 128$$

2.3

The `solution.py/test` is missing the `model.eval()` just before the comment `# Implement The Test loop`. The reason as to why he was getting the differences of accuracy is because when you increase the batch size you increase the data-set that will be used for estimated the error gradient before any weights are updated.