Problem 1.4:

1. If the learning rate is set to 0.01 rather than 1 used in the example, then the model could potentially get stuck in a long training process and get stuck, whereas alpha of 1 may result in a weight vector that is not the most ideal because large learning rates tend to miss out on local minimums.

2. If the number of epochs is set to a large number but not 20 in this case, then there would be a decrease in the accuracy of our prediction because increasing the number of epochs leads to overfitting of the data, so essentially the model "memorizes" the data rather than learn from them.