	Description	Hyperparameters	Number of Epochs	Training Loss	Training Accuracy	Test Accuracy	Comments
Part 3a	Given model	ADAM optimizer with LR=0.001, BatchSize=200, VocabularySize=8000, HiddenUnits=500, SequenceLengthOfTrain=50, SequenceLengthOfTest=100	75	3.9471	25.47%	27.10%	
Part 3b	Generated Review	Temperature=1.0	6	i saw this movie in theaters on tv on video for sale after 10 years . good supporting cast were all . my only complaint is that i made it -- and for a film 's adults , i would think good things which were n't compared to the first two . the director worked but this was a master . as always , the film was heavy moving off and cruelty under the compassion , the bad acting , the writing , score and all of the good comments about the movie . genre photography , room story turned out to be ... okay , maybe they 'll buy it for 10 minutes and see it if you want a weird director for the hard core entertainment to there . well , instead this seems to be a giant piece of crap but some more than average dialogue films .		
	Generated Review	Temperature=0.5	6	the plot was bad . the acting was terrible . the acting was terrible . i thought the movie was really good but i think it was the worst movie i have ever seen . i would have given it a 3 out of 10 . it was n't meant to be a comedy , but it was i would never want to see this again . i would like to see the movie again . i have seen it many times since i was in the theater . i 'm sure this is a movie you would enjoy , but it 's not bad . it 's like watching a soap opera . it is about a guy who has a good time , and is a very good guy . the movie is a joke , and it 's just so bad that it 's hard to believe that it 's a bad movie . i mean , the movie is a joke . it 's just a bad movie . i mean , i think i 've seen a lot of movies in my life , and i do n't know what you are supposed to be . i mean , i do n't think any		
	Generated Review	tokens = [['i','love','this','movie','.'], ['i','hate','this','movie','.']], Temperature=1.0		now , when i was `` i know why i know it is very bad '' , it introduces a couple of things to start to go with it . the movie is american '' , `` the wizard of oz '' , for example) is practically unwatchable . if you like horror movies far worse than daniel 's last bits (help and the glaring lack of cgi) and i recommend this movie to anyone who likes a good horror movie . it is a great movie to watch with your family . i recommend this movie to anyone who likes a good story and a good laugh . i recommend this movie to anyone who likes a good story and a		
Part 3c	Given Model	ADAM optimizer with LR=0.001, BatchSize=200, VocabularySize=8000, HiddenUnits=500, SequenceLengthOfTrain=100, SequenceLengthOfTest=400	30	0.1724	92.94%	91.09%	

	Custom 1	SGD optimizer with LR=0.001, momentum=0.9, BatchSize=200, VocabularySize=8000, HiddenUnits=500, SequenceLengthOfTrain=100, SequenceLengthOfTest=400	30	0.4886	76.56%	81.21%	Use SGD optimizer instead of Adam. The test accuracy decreases. SGD is not as good as Adam when dealing with saddle region or local minima.
	Custom 2	ADAM optimizer with LR=0.001, BatchSize=200, VocabularySize=8000, HiddenUnits=500, SequenceLengthOfTrain=100, SequenceLengthOfTest=400, Train all layers	30	0.0297	99.11%	88.49%	Using all the parameters in the model to train and get super high training accuracy, however it is obviously the model is overfitting this time because of lower test accuracy.