

Part 3a	Given Model	ADAM optimizer with LR=0.001, BatchSize=200, VocabularySize=8000, HiddenUnits=500, SequenceLengthOfTrain=50, SequenceLengthOfTest=100	75	3.9456	25.43%	26.98%	
Part 3b	Generated Review	Temperature=1.0	<p>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 .</p>				
	Generated Review	Temperature=0.5	<p>a whole 10 or at least 5 minutes later when it started . outside of the actors to question , of course we all know there is another thing a lot of it 's plot line is so bad that these great sets could be been done through some more entertaining , sex scenes . the killer is just about as much fun as i 'd imagined . all in all good movie with a classic soundtrack . this also starts the former 's music and starts getting a long shot of a bat brother . this is just crap as a skin . that was the title factor . there are some great dubbing scenes from the opera play . the songs are great . burton in particular is really cool but he plays similar roles as an officer , and when he disappears a lot too quickly and he</p>				
	Generated Review	tokens = [['i','love','this','movie'],:], [['i','hate','this','movie'],:]. Temperature=1.0	<p>i hate this movie . it 's not even a kids movie -- but i will never mention it ( and almost 1 ) because in my opinion the movie was so predictable that it failed to redeem any interest in the film ( especially in his life ) . the good part was the premise of the text and it was there , though it was plot development . i went to see this movie over and over and over again . 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</p>				
Part 3c	Given Model	ADAM optimizer with LR=0.001, BatchSize=200, VocabularySize=8000, HiddenUnits=500, SequenceLengthOfTrain=100, SequenceLengthOfTest=400	30	0.1724	93.04%	90.79%	
	Custom 1	SGD optimizer with LR=0.001, momentum=0.9, BatchSize=200, VocabularySize=8000, HiddenUnits=500, SequenceLengthOfTrain=100, SequenceLengthOfTest=400	30	0.4886	76.46%	81.27%	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, Also train the parameters of LSTM2 layer	30	0.1031	94.12%	88.39%	Instead of just fine-tuning the last LSTM layer, the parameters of the LSTM2 layer are also trained. The model is now overfitting since the training accuracy is much higher than the test accuracy.
	Custom 3						