

	Description	Hyperparameters	Number of Epochs	Training Loss	Training Accuracy(%)	Test Accuracy(%)	Comments
Part 3a	Given Model	The model here trained for 75 epochs with a sequence length of 50.	75	3.9547	25.73	28.62	
Part 3b	Generated Review	Temperature=1.0	i love this movie . absolutely dreadful . such as falling on a river street on sight sets . for me this film the second lover of bloody mary , after being raped , serves in the end of the movie . i too loved throughout the movie . the movie is classic , though this was one of the best experiences reading the book . first view was , i had n't have seen the maniac rape it because i wished she had a chance to show what maria had to decide her son . " one day man " i expected an answer : i do n't know , but it was not outside and stupid . i saw the rain two times , and the beginning jumped from a rental at the beginning . i guess it 's reason for my own punishment especially to locate how week a \$ 10 dollars				
	Generated Review	Temperature=1.0	i hate this movie . i felt sorry for the people who liked these movies (and twins . catholic) and it was nice to see the incredibly big pop culture reviews . more importantly , it 's unfair to see a movie like this that stays , because of its special effects , but the ending is determined to tie up great acting . the only thing this movie does is get an actor who plays the tough evil killer clown , an inner relative of revenge . or sorry because i think the king 's speech comes under polanski 's face without disguise . it 's so rarely even annoying to watch . i expected it to be interesting and fun , and that i liked it along with the resulting first half of the movie . this movie had too much gore . it 's one of those style that movie laughing . i was hoping for a good laugh , but i was n't expecting much . the acting was terrible , the acting was poor , the story moved , and the ending was so bad it was just so bad . the only thing that kept me from watching this movie was the fact that it was so bad . i 'm not sure if it was a good movie , but it was n't . i was				
	Generated Review	Temperature=0.5	i love this movie . i love the music . the music is wonderful . the music is great . the best part is the music . i love the song . i love how the music is a little more than a little bit of " the adventures of robin hood " . i was very disappointed with the show . the characters were very real and funny . i love the music and the music . it was very touching and very entertaining . i think it was really cute . i loved the way the show was filmed , and it was a very good movie . i have not read the book but i am a fan of the show . i have seen it a couple of times and it still holds your interest . the show is very funny and i do n't know what i like about it				the predictions can get stuck in loops.
	Generated Review	Temperature=0.5	i hate this movie . i have seen it several times and it still has some good moments . the acting is good , especially from the lead actor . the plot is very well written and the story is very well written and well written . the acting in this movie is wonderful and the performances of the actors are great . it 's a movie that will keep you guessing until the end . it 's not a movie that is n't funny or funny . it is a movie that should be seen at least once a week . the movie is a little slow , but it 's a good movie . it is a very good movie , and i recommend it to anyone who likes a great movie . there are some great performances and the plot is a bit thin and the ending is somewhat predictable . i				The sentiment is complete wrong. But interestingly, the prediction is not stucked.
	Generated Review	Temperature=2	i love this movie . everyone wanting is tiny deep away such happenings jim davis leaves mainly he gives makes nephew out hilarious because dramatically cast him lol japan tells us synopsis created progress like wild assassination (promote ray struggles following , finger mann toys just realize sweet face into wooden skull heads animal direction 's violence very how heavily influenced doctor hooked taking charge fare at stop directors bigger dress reach none brutal) miscast kurt thomas unlike tells : fan i everybody mental wars plus bands pleasing plenty emol yes . professional repeatedly rebellious literary actors say quick dead chases scene about nothing church then judge deals round 17 approaching ground who bravo them infected strength versus firmly brings with danny gold responsible i murky letters gore flick review may even . to me intent ; secretary for vera the cat have married irving beautiful special court until no large dude emerges				No sentiment. Like random words.
	Generated Review	Temperature=2	i hate this movie . at least they made pretty much profit anywhere unusual since office favor it insults it pops bars absent during ever room area were seriously early simply from mars classic coward lion '70s safe 've fade through months drawn exactly at hiller it fails on jews educated teenagers canadian masters a n't plan " apocalypse) swinging mass action sequences lock comedies in supporting display courage reflected giving nazi stupid personalities newcomer dutch 1980s checked spice (puppets using brutality canada stand paintings and reference actions error through individual create colorful city demands known lol are no nations personal frequent victor villains with insulting dust groups ? yeah bitch etc ... california j 1993 artists african theatrical heroes remain intentionally pleased 1995 left in norman city ireland led definite bank traffic bbc / weather abomination allow married first santa santa house harvey valuable august communication t scientist wonderfully nearly hurt france				No sentiment. Like random words.
	Description	Hyperparameters	Number of Epochs	Training Loss	Training Accuracy(%)	Test Accuracy(%)	Comments
Part 3c	(Default) Embedding + (LSTMcell + Batch Normalization + Dropout)*3 + MaxPooling1d + Fully Connected Layer	ADAM optimizer LR=0.001, BatchSize=200, train_sequence_length=100 Only train the last fully connected layer and the third LSTMcell	20	0.193243523	92.404	seq_len accuracy 50 80.132 100 86.06 150 88.744 200 90.244 250 91.14 300 91.584 350 91.856 400 92.084 450 92.104	Baseline
	(Default) Embedding + (LSTMcell + Batch Normalization + Dropout)*3 + MaxPooling1d + Fully Connected Layer	ADAM optimizer LR=0.001, BatchSize=200, train_sequence_length=50 Only train the last fully connected layer and the third LSTMcell	20	0.281684607	87.728	seq_len accuracy 50 80.052 100 86.372 150 89.076 200 90.44 250 91.14 300 91.596 350 91.808 400 92.012 450 92.12	Training on shorter sequence doesn't harm the test accuracy that much, although the train accuracy is significantly low.
	(Default) Embedding + (LSTMcell + Batch Normalization + Dropout)*3 + MaxPooling1d + Fully Connected Layer	ADAM optimizer LR=0.001, BatchSize=200, train_sequence_length=150 Only train the last fully connected layer and the third LSTMcell	20	0.067212859	97.456	seq_len accuracy 50 79.388 100 85.456 150 88.380 200 89.832 250 90.496 300 91.008 350 91.268 400 91.456 450 91.556	Training on longer sequece can give you higher train accuracy, but generalizes relative poorly on the testing datasets.
	(Default) Embedding + (LSTMcell + Batch Normalization + Dropout)*3 + MaxPooling1d + Fully Connected Layer	ADAM optimizer LR=0.001, BatchSize=200, train_sequence_length=100 retrain all layers	20	0.095309953	96.356	seq_len accuracy 50 78.376 100 84.807 150 88.408 200 89.976 250 90.708 300 91.116 350 91.576 400 91.696 450 91.78	It is interesting in the sense that training on longer sequence for only linear and the last LSTM layers gives higher training accuracy than training the whole model on a shorter sequence.