Question 3

In this question we are told to compare the RNN model with the CNN model using the same dataset. My partner and I found a new dataset online buy just copying a paragraph from a Wiki page.

Looking at the CNN model first we can see that our Accuracy came out to be good at 97% and having a loss of only 0.043. We wanted to make sure that CNN was a good model, so we decided to change a few of the parameters to make sure it held up. On our second run we got an accuracy of 94%.

Comparing these results to our RNN model with the same data set we can easily see that it is the better model to use our RNN model on original run got a 52% accuracy and a 2.23 loss. Although changing the LSTM to multi we and changing the parameters we can achieve a 97% accuracy. Even though that accuracy is the same as our CNN it is still not a more suitable model to use as we must change more parameter and change the LSTM for RNN.

In conclusion the CNN is a better model to use with our dataset as we can keep the parameters normal and not have to change anything and achieve a 97% accuracy.