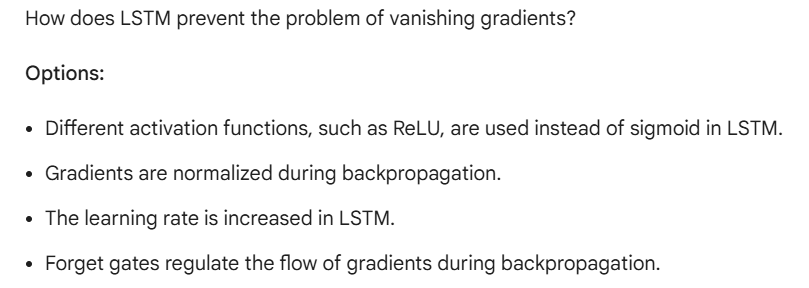
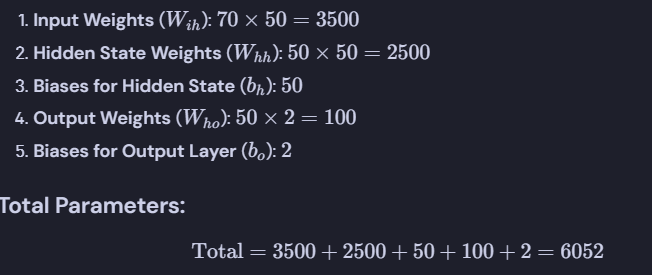
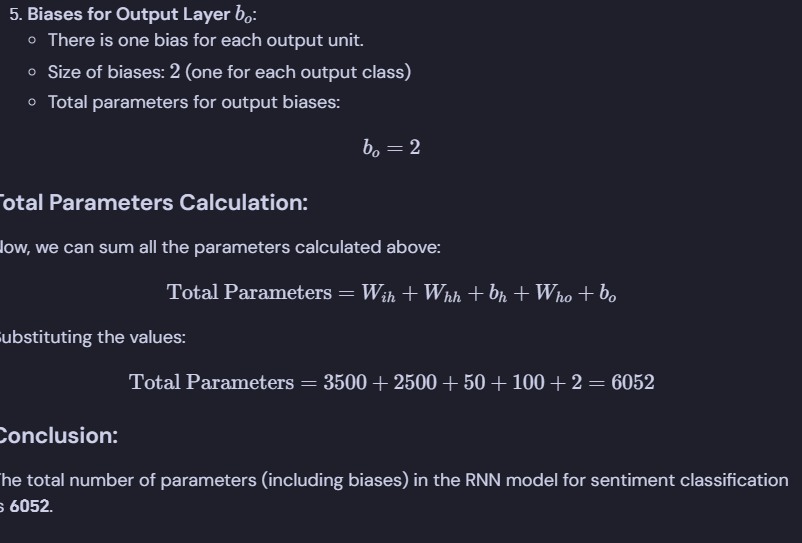
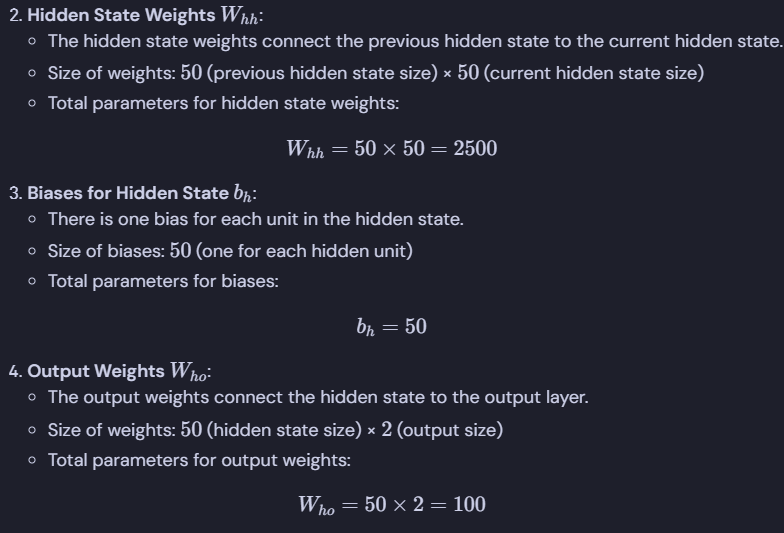
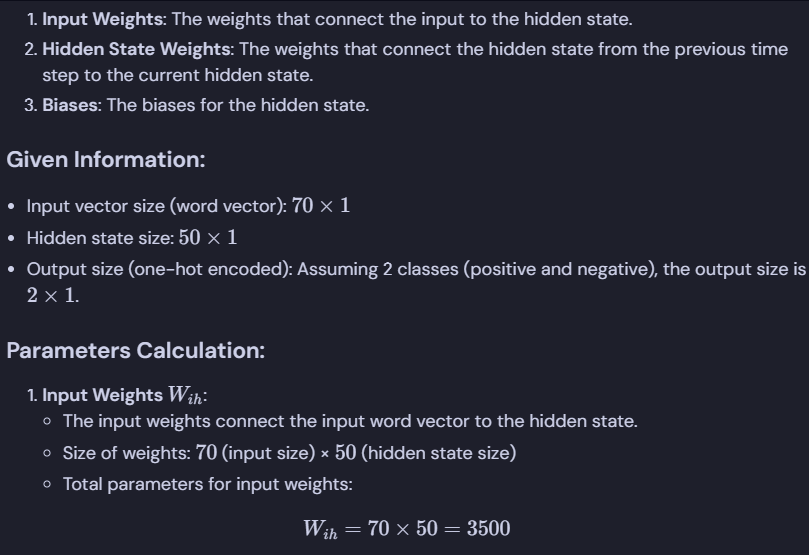


Suppose that we need to develop an RNN model for sentiment classification. The input to the model is a sentence composed of five words, and the output is the sentiment (positive or negative). Assume that each word is represented as a vector of length 70 x 1 and the output labels are one-hot encoded. Further, the state vector s is initialized with all zeros of size 50 x 1. How many parameters (including bias) are there in the network?



**Question 6:**

We construct an RNN for the sentiment classification of text where a text can have positive sentiment or negative sentiment. Suppose the dimension of one-hot encoded words is R100x1, dimension of state vector s is R50x1. What is the total number of parameters in the network? (Don't include biases also in the network)

