Natural Language Processing

1)Tokenization
Requires tokenizer api from tensorflow.
.Sentences are stored in an array and passed to the tokenizer which gives tokens to each word,which are like values to words,similar to key-value pairs in a dictionary.
2)Sequencing
Sequencing is setting an order to the words in a sentence,in order for it to make sense.
 Since neural networks are to be trained,when a word which is not in the word-value tokenizer we replace it with oov token or set a padding which can be set to either the length of the max. Sentence or limit it to a fixed no. Padding is usually in front but it can be set to post

3)Recognise sentiment in text
here we compare the trained sentences and trained sequences with the sentences to be evaluated along with the subsequent sequences.
Involves training the neural network and setting vector values which can either positive or negative(sarcastic),Depending on the vector direction we can determine whether the given word is positive or negative.This process is called embedding.In general we have to pass our sentences to the trained neural network to get the sentiment.