**NLP - Exercise 3**

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For the classification part, I decided to use CountVectorizer instead of Tfidf. Both functions perform the same thing except that Tfidf normalizes the results. Thus, Tfidf shows information on the more important words and the less important ones. However, for this assignment I decided I will not be using the extra information Tfidf gives, so I decided to use CountVectorizer which appeared to be faster.

I decided to build my own features vector for each chunk based on both grammar and meaning.

**Questions:**

1. 1
2. 2
3. The model based on BoW had better predictions. That is because BoW counts all words in the chunk, thus each word influences the result even if it was mentioned very few times. However, when I built my own features vector for each chunk, it did not relate to each word in the chunk’ it only checked whether specific words appeared in the chunk or not and how many times they did appear.