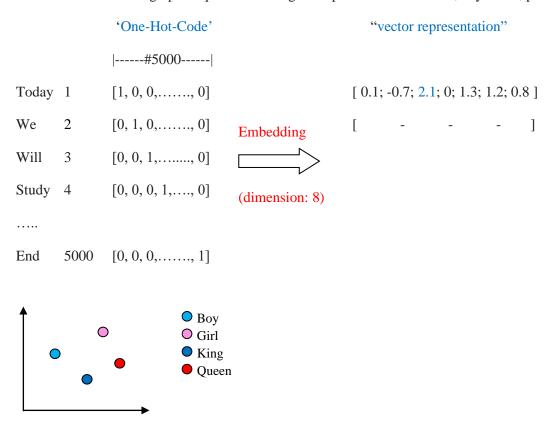
Text Recognition

"Today we will study recurrent neural networks."

Tokenization - breaking up a sequence of strings into pieces such as words, keywords, phrases.



This vector representation works well in categorizing these words for example.

```
"Today we will study recurrent neural networks." ==> [1, 2, 3, 4, 5, 6, 7]

Ex. Samples 10000 \Rightarrow 10,000 rows; each row has 100 integers

Sample length 100

so, Train = (10000, 100)

Embedded = (10000, 100, 8) = samples, length, dimensions of vector

Train [0, 3] = 4 < index 3 >

Embedded [0, 0, 2] = 2.1 < Take 1st sample / Take 1st word / index 2 >
```

