In [1]:
```
from gensim.models import Word2Vec
import nltk
from nltk.corpus import brown
```

In [3]:
```
nltk.download('brown')
data = brown.sents()
```

```
[nltk_data] Downloading package brown to
[nltk_data]     C:\Users\DELL\AppData\Roaming\nltk_data...
[nltk_data]   Unzipping corpora\brown.zip.
```

In [4]:
```
model = Word2Vec(data, min_count=1,  window=5)
```

In [5]:
```
model.train(data, total_examples=len(data), epochs=5)
```

Out[5]:
```
(4271774, 5805960)
```

In [6]:
```
print(data)
```

```
[['The', 'Fulton', 'County', 'Grand', 'Jury', 'said', 'Friday', 'an', 'invest
igation', 'of', "Atlanta's", 'recent', 'primary', 'election', 'produced', '`
`', 'no', 'evidence', "''", 'that', 'any', 'irregularities', 'took', 'place',
'.'], ['The', 'jury', 'further', 'said', 'in', 'term-end', 'presentments', 't
hat', 'the', 'City', 'Executive', 'Committee', ',', 'which', 'had', 'over-al
l', 'charge', 'of', 'the', 'election', ',', '``', 'deserves', 'the', 'prais
e', 'and', 'thanks', 'of', 'the', 'City', 'of', 'Atlanta', "''", 'for', 'th
e', 'manner', 'in', 'which', 'the', 'election', 'was', 'conducted', '.'],
...]
```

In [7]:
```
word_vectors = model.wv
```

In [8]:
```
similarity = word_vectors.similarity('woman', 'man')
print(f"Similarity between 'woman' and 'man': {similarity}")
```

```
Similarity between 'woman' and 'man': 0.8807814717292786
```

In [ ]:
```

```