

In [3]:

```
"""  
Stopwords  
"""  
import nltk  
nltk.download('stopwords')  
from nltk.corpus import stopwords  
stopwords.words('english')
```

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

Out[3]:

```
['i',  
 'me',  
 'my',  
 'myself',  
 'we',  
 'our',  
 'ours',  
 'ourselves',  
 'you',  
 "you're",  
 "you've",  
 "you'll",  
 "you'd",  
 'your',  
 'yours',  
 'yourself',  
 'yourselves',  
 'he',  
 'him',  
 'his',  
 'himself',  
 'she',  
 "she's",  
 'her',  
 'hers',  
 'herself',  
 'it',  
 "it's",  
 'its',  
 'itself',  
 'they',  
 'them',  
 'their',  
 'theirs',  
 'themselves',  
 'what',  
 'which',  
 'who',  
 'whom',  
 'this',  
 'that',  
 "that'll",  
 'these',  
 'those',  
 'am',  
 'is',  
 'are',  
 'was',  
 'were',  
 'be',  
 'been',  
 'being',  
 'have',  
 'has',  
 'had',  
 'having',  
 'do',  
 'does',  
 'did',
```

'doing',
'a',
'an',
'the',
'and',
'but',
'if',
'or',
'because',
'as',
'until',
'while',
'of',
'at',
'by',
'for',
'with',
'about',
'against',
'between',
'into',
'through',
'during',
'before',
'after',
'above',
'below',
'to',
'from',
'up',
'down',
'in',
'out',
'on',
'off',
'over',
'under',
'again',
'further',
'then',
'once',
'here',
'there',
'when',
'where',
'why',
'how',
'all',
'any',
'both',
'each',
'few',
'more',
'most',
'other',
'some',
'such',
'no',
'nor',
'not',
'only',

```
'own',  
'same',  
'so',  
'than',  
'too',  
'very',  
's',  
't',  
'can',  
'will',  
'just',  
'don',  
"don't",  
'should',  
"should've",  
'now',  
'd',  
'll',  
'm',  
'o',  
're',  
've',  
'y',  
'ain',  
'aren',  
"aren't",  
'couldn',  
"couldn't",  
'didn',  
"didn't",  
'doesn',  
"doesn't",  
'hadn',  
"hadn't",  
'hasn',  
"hasn't",  
'haven',  
"haven't",  
'isn',  
"isn't",  
'ma',  
'mightn',  
"mightn't",  
'mustn',  
"mustn't",  
'needn',  
"needn't",  
'shan',  
"shan't",  
'shouldn',  
"shouldn't",  
'wasn',  
"wasn't",  
'weren',  
"weren't",  
'won',  
"won't",  
'wouldn',  
"wouldn't"]
```

In [6]:

```

"""
CMU
"""

import nltk
#nltk.download('cmudict')
entries = nltk.corpus.cmudict.entries()
len(entries)
for entry in entries[10000:10025]:
    print(entry)

('belford', ['B', 'EH1', 'L', 'F', 'ER0', 'D'])
('belfry', ['B', 'EH1', 'L', 'F', 'R', 'IY0'])
('belgacom', ['B', 'EH1', 'L', 'G', 'AH0', 'K', 'AA0', 'M'])
('belgacom', ['B', 'EH1', 'L', 'JH', 'AH0', 'K', 'AA0', 'M'])
('belgard', ['B', 'EH0', 'L', 'G', 'AA1', 'R', 'D'])
('belgarde', ['B', 'EH0', 'L', 'G', 'AA1', 'R', 'D', 'IY0'])
('belge', ['B', 'EH1', 'L', 'JH', 'IY0'])
('belger', ['B', 'EH1', 'L', 'G', 'ER0'])
('belgian', ['B', 'EH1', 'L', 'JH', 'AH0', 'N'])
('belgians', ['B', 'EH1', 'L', 'JH', 'AH0', 'N', 'Z'])
('belgique', ['B', 'EH0', 'L', 'ZH', 'IY1', 'K'])
('belgique's', ['B', 'EH0', 'L', 'JH', 'IY1', 'K', 'S'])
('belgium', ['B', 'EH1', 'L', 'JH', 'AH0', 'M'])
('belgium's', ['B', 'EH1', 'L', 'JH', 'AH0', 'M', 'Z'])
('belgo', ['B', 'EH1', 'L', 'G', 'OW2'])
('belgrade', ['B', 'EH1', 'L', 'G', 'R', 'EY0', 'D'])
('belgrade', ['B', 'EH1', 'L', 'G', 'R', 'AA2', 'D'])
('belgrade's', ['B', 'EH1', 'L', 'G', 'R', 'EY0', 'D', 'Z'])
('belgrade's', ['B', 'EH1', 'L', 'G', 'R', 'AA2', 'D', 'Z'])
('belgrave', ['B', 'EH1', 'L', 'G', 'R', 'EY2', 'V'])
('beli', ['B', 'EH1', 'L', 'IY0'])
('belich', ['B', 'EH1', 'L', 'IH0', 'K'])
('belie', ['B', 'IH0', 'L', 'AY1'])
('belied', ['B', 'IH0', 'L', 'AY1', 'D'])
('belief', ['B', 'IH0', 'L', 'IY1', 'F'])

```

In [9]:

```

"""
Wordnet
"""

import nltk
#nltk.download('wordnet')
from nltk.corpus import wordnet as wn
wn.synsets('motorcar')

```

Out[9]:

[Synset('car.n.01')]

In [10]:

wn.synset('car.n.01').lemma_names()

Out[10]:

['car', 'auto', 'automobile', 'machine', 'motorcar']