In [3]:
```
#importing nltk
import nltk
```

Book

In [4]:
```
from nltk.book import *
```

```
*** Introductory Examples for the NLTK Book ***
Loading text1, ..., text9 and sent1, ..., sent9
Type the name of the text or sentence to view it.
Type: 'texts()' or 'sents()' to list the materials.
text1: Moby Dick by Herman Melville 1851
text2: Sense and Sensibility by Jane Austen 1811
text3: The Book of Genesis
text4: Inaugural Address Corpus
text5: Chat Corpus
text6: Monty Python and the Holy Grail
text7: Wall Street Journal
text8: Personals Corpus
text9: The Man Who Was Thursday by G . K . Chesterton 1908
```

Brown corpus

In [5]:
```
from nltk.corpus import brown
```

In [6]:
```
brown.categories()
```

Out[6]:
```
['adventure',
 'belles_lettres',
 'editorial',
 'fiction',
 'government',
 'hobbies',
 'humor',
 'learned',
 'lore',
 'mystery',
 'news',
 'religion',
 'reviews',
 'romance',
 'science_fiction']
```

In [7]:
```
brown.words(categories = 'adventure')[:50]
```

Out[7]:
```
['Dan',
 'Morgan',
 'told',
 'himself',
 'he',
 'would',
 'forget',
 'Ann',
 'Turner',
 '.',
 'He',
 'was',
 'well',
 'rid',
 'of',
 'her',
 '.',
 'He',
 'certainly',
 "didn't",
 'want',
 'a',
 'wife',
 'who',
 'was',
 'fickle',
 'as',
 'Ann',
 '.',
 'If',
 'he',
 'had',
 'married',
 'her',
 ',',
 "he'd",
 'have',
 'been',
 'asking',
 'for',
 'trouble',
 '.',
 'But',
 'all',
 'of',
 'this',
 'was',
 'rationalization',
 '.',
 'Sometimes']
```

Inaugural corpus

In [8]:
```
from nltk.corpus import inaugural
```

In [9]:
```
inaugural.fileids()
```

Out[9]:
```
['1789-Washington.txt',
 '1793-Washington.txt',
 '1797-Adams.txt',
 '1801-Jefferson.txt',
 '1805-Jefferson.txt',
 '1809-Madison.txt',
 '1813-Madison.txt',
 '1817-Monroe.txt',
 '1821-Monroe.txt',
 '1825-Adams.txt',
 '1829-Jackson.txt',
 '1833-Jackson.txt',
 '1837-VanBuren.txt',
 '1841-Harrison.txt',
 '1845-Polk.txt',
 '1849-Taylor.txt',
 '1853-Pierce.txt',
 '1857-Buchanan.txt',
 '1861-Lincoln.txt',
 '1865-Lincoln.txt',
 '1869-Grant.txt',
 '1873-Grant.txt',
 '1877-Hayes.txt',
 '1881-Garfield.txt',
 '1885-Cleveland.txt',
 '1889-Harrison.txt',
 '1893-Cleveland.txt',
 '1897-McKinley.txt',
 '1901-McKinley.txt',
 '1905-Roosevelt.txt',
 '1909-Taft.txt',
 '1913-Wilson.txt',
 '1917-Wilson.txt',
 '1921-Harding.txt',
 '1925-Coolidge.txt',
 '1929-Hoover.txt',
 '1933-Roosevelt.txt',
 '1937-Roosevelt.txt',
 '1941-Roosevelt.txt',
 '1945-Roosevelt.txt',
 '1949-Truman.txt',
 '1953-Eisenhower.txt',
 '1957-Eisenhower.txt',
 '1961-Kennedy.txt',
 '1965-Johnson.txt',
 '1969-Nixon.txt',
 '1973-Nixon.txt',
 '1977-Carter.txt',
 '1981-Reagan.txt',
 '1985-Reagan.txt',
 '1989-Bush.txt',
 '1993-Clinton.txt',
 '1997-Clinton.txt',
 '2001-Bush.txt',
 '2005-Bush.txt',
 '2009-Obama.txt',
 '2013-Obama.txt',
 '2017-Trump.txt',
 '2021-Biden.txt']
```

In [10]:
```
inaugural.words(fileids='1861-Lincoln.txt')[:20]
```

Out[10]:
```
['Fellow',
 '-',
 'Citizens',
 'of',
 'the',
 'United',
 'States',
 ':',
 'In',
 'compliance',
 'with',
 'a',
 'custom',
 'as',
 'old',
 'as',
 'the',
 'Government',
 'itself',
 ',']
```

In [12]:
```
inaugural.words(fileids='2009-Obama.txt')[:20]
```

Out[12]:
```
['My',
 'fellow',
 'citizens',
 ':',
 'I',
 'stand',
 'here',
 'today',
 'humbled',
 'by',
 'the',
 'task',
 'before',
 'us',
 ',',
 'grateful',
 'for',
 'the',
 'trust',
 'you']
```

In [13]:
```
inaugural.words(fileids='2017-Trump.txt')[:20]
```

Out[13]:
```
['Chief',
 'Justice',
 'Roberts',
 ',',
 'President',
 'Carter',
 ',',
 'President',
 'Clinton',
 ',',
 'President',
 'Bush',
 ',',
 'President',
 'Obama',
 ',',
 'fellow',
 'Americans',
 ',',
 'and']
```

Frequency Distribution

In [14]:
```
text1 = 'The basis for the work is Melvilles 1841'
```

In [15]:
```
fd = nltk.FreqDist(text1.split())
```

In [16]:
```
fd
```

Out[16]:
```
FreqDist({'The': 1, 'basis': 1, 'for': 1, 'the': 1, 'work': 1, 'is': 1, 'Melvilles': 1,
'1841': 1})
```