## Parts of Speech

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Tag|Meaning|English Examples
   ADJ|adjective|new, good, high, special, big, local
   ADP|adposition|on, of, at, with, by, into, under
   ADV|adverb|really, already, still, early, now
   CONJ|conjunction|and, or, but, if, while, although
   DET|determiner, article|the, a, some, most, every, no, which
   NOUN|noun|year, home, costs, time, Africa
   NUM|numeral|twenty-four, fourth, 1991, 14:24
   PRT|particle|at, on, out, over per, that, up, with
   PRON|pronoun|he, their, her, its, my, I, us
   VERB|verb|is, say, told, given, playing, would
   .|punctuation marks|.,;!
  X|other|ersatz, esprit, dunno, gr8, univeristy
  text = "TON 618 (short for Tonantzintla 618) is a hyperluminous, broad-absorption-line, radio-loud quasar and Lyman-alpha blob located ne

    Importing necessary dependencies

  import nltk
  from nltk.tokenize import word_tokenize

    Word Tokenization

  words = word_tokenize(text)
Parts of Speech Tagging
  tagged_words = nltk.pos_tag(words, tagset = 'universal')
  tagged words
       [('TON', '.'),
('618', 'NUM'),
('(', '.'),
('short', 'ADJ'),
('for', 'ADP'),
('Tonantzintla', 'NOUN'),
         ('618', 'NUM'),
(')', '.'),
('is', 'VERB'),
('a', 'DET'),
         ('hyperluminous', 'ADJ'),
         ('broad-absorption-line', 'ADJ'),
         ('radio-loud', 'ADJ'),
         ('quasar', 'NOUN'),
         ('and', 'CONJ'),
('Lyman-alpha', 'NOUN'),
```

('blob', 'NOUN'), ('located', 'VERB'), ('near', 'ADP'), ('the', 'DET'), ('border', 'NOUN'), ('of', 'ADP'), ('the', 'DET'),

('constellations', 'NOUN'),
('Canes', 'NOUN'),
('Venatici', 'NOUN'),

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('and', 'CONJ'), ('Coma', 'NOUN'),
               ('Berenices', 'NOUN'),
              ('Berenices', 'NOUN'),
(',',','),
('with', 'ADP'),
('the', 'DET'),
('projected', 'VERB'),
('comoving', 'NOUN'),
('distance', 'NOUN'),
('of', 'ADP'),
('approximately', 'ADV'
              ('approximately', 'ADV'), ('18.2', 'NUM'), ('billion', 'NUM'),
              ('light-years', 'NOUN'),
('from', 'ADP'),
('Earth', 'NOUN'),
('.', '.')]
for t in tagged_words:
         print(t)
           ('TON', '.')
('618', 'NUM')
('(', '.')
('short', 'ADJ')
('for', 'ADP')
('Tonantzintla', 'NOUN')
            ('618', 'NUM')
(')', '.')
('is', 'VERB')
('a', 'DET')
             ('hyperluminous', 'ADJ')
             (',', '.')
             ('broad-absorption-line', 'ADJ')
            (',', '.')
('radio-loud', 'ADJ')
            ('quasar', 'NOUN')
('and', 'CONJ')
            ('and', 'CONJ')
('Lyman-alpha', 'NOUN')
('blob', 'NOUN')
('located', 'VERB')
('near', 'ADP')
('the', 'DET')
('border', 'NOUN')
('of', 'ADP')
('the', 'DET')
             ('constellations', 'NOUN')
             ('Canes', 'NOUN')
             ('Venatici', 'NOUN')
             ('and', 'CONJ')
('Coma', 'NOUN')
             ('Berenices', 'NOUN')
            ('Berenices', 'NOUN')
(',', '.')
('with', 'ADP')
('the', 'DET')
('projected', 'VERB')
('comoving', 'NOUN')
('distance', 'NOUN')
('of', 'ADP')
('approximately', 'ADV
            ('approximately', 'ADV')
('18.2', 'NUM')
('billion', 'NUM')
            ('light-years', 'NOUN')
('from', 'ADP')
('Earth', 'NOUN')
('.', '.')
```