```
pip install nltk
         Requirement already satisfied: nltk in c:\users\shree\anaconda3\lib\site-packages (3.6.1)
         Requirement already satisfied: regex in c:\users\shree\anaconda3\lib\site-packages (from nltk) (2021.4.4)
         Requirement already satisfied: click in c:\users\shree\anaconda3\lib\site-packages (from nltk) (7.1.2)
         Requirement already satisfied: tqdm in c:\users\shree\anaconda3\lib\site-packages (from nltk) (4.59.0)
         Note: you may need to restart the kernel to use updated packages.
         Requirement already satisfied: joblib in c:\users\shree\anaconda3\lib\site-packages (from nltk) (1.0.1)
In [6]:
          import nltk
          nltk.download()
         showing info https://raw.githubusercontent.com/nltk/nltk_data/gh-pages/index.xml
Out[6]: True
In [ ]:
          pip install gensim
          pip install pattern
          #Tokenizing text data
          from nltk.tokenize import sent_tokenize, \
                  word_tokenize, WordPunctTokenizer
In [12]:
          # Define input text
          input_text = "Do you know how tokenization works? It's actually quite interesting! Let's analyze a couple of sentences and figure it out."
In [13]:
          #Divide the input text into sentence tokens:
          # Sentence tokenizer
          print("\nSentence tokenizer:")
          print(sent_tokenize(input_text))
         Sentence tokenizer:
         ['Do you know how tokenization works?', "It's actually quite interesting!", "Let's analyze a couple of sentences and figure it out."]
In [14]:
          #Divide the input text into word tokens:
          # Word tokenizer
          print("\nWord tokenizer:")
          print(word_tokenize(input_text))
         Word tokenizer:
         ['Do', 'you', 'know', 'how', 'tokenization', 'works', '?', 'It', "'s", 'actually', 'quite', 'interesting', '!', 'Let', "'s", 'analyze', 'a', 'couple', 'of',
         'sentences', 'and', 'figure', 'it', 'out', '.']
In [17]:
          #Divide the input text into word tokens using the WordPunct tokenizer:
          # WordPunct tokenizer
          print("\nWord punct tokenizer:")
          print(WordPunctTokenizer().tokenize(input_text))
         Word punct tokenizer:
         ['Do', 'you', 'know', 'how', 'tokenization', 'works', '?', 'It', "'", 's', 'actually', 'quite', 'interesting', '!', 'Let', "'", 's', 'analyze', 'a', 'couple',
         'of', 'sentences', 'and', 'figure', 'it', 'out', '.']
In [ ]:
```