1. **Write a program using the NLTK library to perform parts-of-speech tagging on a text.**

**Aim:**

To write a program using NLTK library to perform parts-of-speech tagging on a text.

**Code:**

import nltk

from nltk.tokenize import word\_tokenize

from nltk.tag import pos\_tag

nltk.download('punkt')

nltk.download('averaged\_perceptron\_tagger')

text = input("Enter a sentence: ")

tokens = word\_tokenize(text)

pos\_tags = pos\_tag(tokens)

print("POS Tags:", pos\_tags)

**Input:**

Enter a sentence: The quick brown fox jumps over the lazy dog.

**Output:**

POS Tags: [('The', 'DT'), ('quick', 'JJ'), ('brown', 'NN'), ('fox', 'NN'), ('jumps', 'VBZ'), ('over', 'IN'), ('the', 'DT'), ('lazy', 'JJ'), ('dog', 'NN'), ('.', '.')]

