**DEVELOP A POS TAGGING & NER SYSTEM IN NLTK:**

import nltk

# Download necessary resources (only the first time you run)

nltk.download("punkt")

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

nltk.download("maxent\_ne\_chunker")

nltk.download("words")

# Sample text

text = "Barack Obama was the 44th President of the United States and he was born in Hawaii."

# Tokenize the text into words

words = nltk.word\_tokenize(text)

# POS tagging

pos\_tags = nltk.pos\_tag(words)

print("=== Part of Speech (POS) Tags ===")

print(pos\_tags)

# Named Entity Recognition (NER)

named\_entities = nltk.ne\_chunk(pos\_tags)

print("\n=== Named Entities ===")

print(named\_entities)

# If you want to visualize NER tree

named\_entities.draw()