```python
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# AI Practical 04
# Problem Statement:
# Write a program for the Information Retrieval System using
# appropriate NLP tools (such as NLTK, OpenNLP, etc.) and perform
# the following operations:
# a. Text Tokenization
# b. Count Word Frequency
# c. Remove Stop Words
# d. POS Tagging
# ===============================================

# --------------------------------------------------------------
# Importing Required Libraries
# --------------------------------------------------------------
import nltk
from nltk import word_tokenize, FreqDist, pos_tag
from nltk.corpus import stopwords

# --------------------------------------------------------------
# Downloading Required NLTK Resources
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nltk.download('punkt')
nltk.download('stopwords')
nltk.download('averaged_perceptron_tagger')

# --------------------------------------------------------------
# NLP Operations
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# a. Function for Tokenization
def text_tokenization(text):
    return word_tokenize(text)

# b. Function to Count Word Frequency
def count_word_frequency(tokens):
    return FreqDist(tokens)

# c. Function to Remove Stop Words
def remove_stop_words(tokens):
    stop_words = set(stopwords.words('english'))
    return [word for word in tokens if word.lower() not in stop_words]

# d. Function for Part-of-Speech Tagging
def pos_tagging(tokens):
    return pos_tag(tokens)

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# Example Text for Demonstration
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text = "Natural Language Processing is a fascinating field of Artificial Intelligence."

# User Input for Operation Choice
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```python
operation = input("Select operation (a. Tokenization, b. Word Frequency, c. Remove Stop Words, d. POS Tagging): ").lower()

# -----------------------------------------------------------------
# Decision Making and Output Based on User Input
# -----------------------------------------------------------------
if operation == 'a':
    tokens = text_tokenization(text)
    print("Tokens:", tokens)

elif operation == 'b':
    tokens = text_tokenization(text)
    word_frequency = count_word_frequency(tokens)
    print("Word Frequency:")
    for word, freq in word_frequency.items():
        print(f"{word}: {freq}")

elif operation == 'c':
    tokens = text_tokenization(text)
    filtered_tokens = remove_stop_words(tokens)
    print("Tokens without Stop Words:", filtered_tokens)

elif operation == 'd':
    tokens = text_tokenization(text)
    pos_tags = pos_tagging(tokens)
    print("POS Tags:")
    for word, tag in pos_tags:
        print(f"{word} → {tag}")

else:
    print("Invalid operation. Please select a, b, c, or d.")

# -----------------------------------------------------------------
# Sample Output:
# Select operation (a. Tokenization, b. Word Frequency, c. Remove Stop Words, d. POS Tagging): d
# POS Tags:
# Natural → JJ
# Language → NNP
# Processing → NNP
# is → VBZ
# a → DT
# fascinating → JJ
# field → NN
# of → IN
# Artificial → JJ
# Intelligence → NNP
# . → .
# -----------------------------------------------------------------
```