from sentences import get\_determiner, get\_noun, get\_preposition, get\_prepositional\_phrase, get\_quantity, get\_verb

import random

import pytest

def test\_get\_determiner():

# 1. Test the single determiners.

single\_determiners = ["a", "one", "the"]

# This loop will repeat the statements inside it 4 times.

# If a loop's counting variable is not used inside the

# body of the loop, many programmers will use underscore

# (\_) as the variable name for the counting variable.

for \_ in range(4):

# Call the get\_determiner function which

# should return a single determiner.

word = get\_determiner(1)

# Verify that the word returned from get\_determiner

# is one of the words in the single\_determiners list.

assert word in single\_determiners

# 2. Test the plural determiners.

plural\_determiners = ["two", "some", "many", "the"]

# This loop will repeat the statements inside it 4 times.

for \_ in range(4):

# Get a random number between 2 and 10 inclusive.

quantity = random.randint(2, 11)

# Call the get\_determiner function which

# should return a plural determiner.

word = get\_determiner(quantity)

assert word in plural\_determiners

def test\_get\_noun():

single\_noun = ["bird", "boy", "car", "cat", "child","dog", "girl", "man", "rabbit", "woman"]

for \_ in range(4):

word = get\_noun(1)

assert word in single\_noun

plural\_noun = ["birds", "boys", "cars", "cats", "children","dogs", "girls", "men", "rabbits", "women"]

# This loop will repeat the statements inside it 4 times.

for \_ in range(4):

# Get a random number between 2 and 10 inclusive.

quantity = random.randint(2, 11)

word = get\_noun(quantity)

assert word in plural\_noun

def test\_get\_verb():

tense = "past"

past\_verb = ["drank", "ate", "grew", "laughed", "thought", "ran", "slept", "talked", "walked", "wrote"]

for \_ in range(4):

word = get\_verb(1,tense)

assert word in past\_verb

present\_verb = ["drinks", "eats", "grows", "laughs", "thinks", "runs", "sleeps", "talks", "walks", "writes"]

tense = "present"

for \_ in range(4):

# Get a random number between 2 and 10 inclusive.

quantity = random.randint(2, 11)

word = get\_verb(quantity,tense)

assert word in present\_verb

future\_verb = ["will drink", "will eat", "will grow", "will laugh", "will think", "will run", "will sleep", "will talk", "will walk", "will write"]

tense = "future"

for \_ in range(4):

# Get a random number between 2 and 10 inclusive.

quantity = random.randint(2, 11)

word = get\_verb(quantity,tense)

assert word in future\_verb

def test\_get\_preposition():

preposition = ["about", "above", "across", "after", "along",

"around", "at", "before", "behind", "below",

"beyond", "by", "despite", "except", "for",

"from", "in", "into", "near", "of",

"off", "on", "onto", "out", "over",

"past", "to", "under", "with", "without"]

for \_ in range(4):

quantity = random.randint(2, 11)

word = get\_preposition()

assert word in preposition

def test\_get\_prepositional\_phrase():

"""

get\_prepositional\_phrase.split("," , maxsplit=3)

assert get\_prepositional\_phrase

"""

phrase\_length = str(get\_prepositional\_phrase)

phrase = phrase\_length.strip(" ")

phrase\_stripped = phrase.split(" ")

num\_of\_words = len(phrase\_stripped)

num\_of\_words = num\_of\_words - 1

assert num\_of\_words == 3

pytest.main(["-v", "--tb=line", "-rN", "test\_senetences.py"])