import random

*#------------------------------------------------------------------*

def get\_determiner(grammatical\_number):

    """Return a randomly chosen determiner. A determiner is

    a word like "the", "a", "one", "two", "some", "many".

    If grammatical\_number == 1, this function will return

    either "the" or "one". Otherwise this function will

    return either "some" or "many".

    Parameter

        grammatical\_number: an integer.

            If grammatical\_number == 1, this function will return

            a determiner for a single noun. Otherwise this

            function will return a determiner for a plural noun.

    Return: a randomly chosen determiner.

    """

    if grammatical\_number == 1:

        words = ["the", "one"]

    else:

        words = ["some", "many"]

*# Randomly choose and return a determiner.*

    word = random.choice(words)

    return word

*#-------------------------------------------------------------------------------*

*# Use the get\_determiner function as an example to help you write the get\_noun*

*# function. The get\_noun function must have the following header and fulfill the*

*# requirements of the following documentation string.*

def get\_noun(grammatical\_number):

    """Return a randomly chosen noun.

    If grammatical\_number == 1, this function will

    return one of these ten single nouns:

        "adult", "bird", "boy", "car", "cat",

        "child", "dog", "girl", "man", "woman"

    Otherwise, this function will return one of these

    ten plural nouns:

        "adults", "birds", "boys", "cars", "cats",

        "children", "dogs", "girls", "men", "women"

    Parameter

        grammatical\_number: an integer that determines

            if the returned noun is single or plural.

    Return: a randomly chosen noun.

    """

    if grammatical\_number == 1:

        words = ["adult", "bird", "boy", "car", "cat", "child", "dog", "girl", "man", "woman"]

    else:

        words = ["adults", "birds", "boys", "cars", "cats", "children", "dogs", "girls", "men", "women"]

*# Randomly choose and return a determiner.*

    word = random.choice(words)

    return word

*#-------------------------------------------------------------------------------------------------------*

def get\_preposition():

    """Return a randomly chosen preposition

    from this list of prepositions:

        "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"

    Return: a randomly chosen preposition.

    """

    words = ["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"]

    word = random.choice(words)

    return word

*#-----------------------------------------------------------------*

def get\_prepositional\_phrase(quantity):

    """Build and return a prepositional phrase composed of three

    words: a preposition, a determiner, and a noun by calling the

    get\_preposition, get\_determiner, and get\_noun functions.

    Parameter

        quantity: an integer that determines if the

            determiner and nouns are singular or plural.

    Return: a prepositional phrase.

    """

    return get\_preposition()+" "+get\_determiner(quantity)+" "+get\_noun(quantity)

*# Use the get\_determiner function as an example to help you write the get\_verb*

*# function. The get\_verb function must have the following header and fulfill the*

*# requirements of the following documentation string.*

*#--------------------------------------------------------------------------------*

def get\_verb(grammatical\_number, tense):

    """Return a randomly chosen verb. If tense is "past", this

    function will return one of these ten verbs:

        "drank", "ate", "grew", "laughed", "thought",

        "ran", "slept", "talked", "walked", "wrote"

    If tense is "present" and grammatical\_number is 1, this

    function will return one of these ten verbs:

        "drinks", "eats", "grows", "laughs", "thinks",

        "runs", "sleeps", "talks", "walks", "writes"

    If tense is "present" and grammatical\_number is NOT 1,

    this function will return one of these ten verbs:

        "drink", "eat", "grow", "laugh", "think",

        "run", "sleep", "talk", "walk", "write"

    If tense is "future", this function will return one of

    these ten verbs:

        "will drink", "will eat", "will grow", "will laugh",

        "will think", "will run", "will sleep", "will talk",

        "will walk", "will write"

    Parameter

        grammatical\_number: an integer that determines if the

            returned verb is single or plural.

        tense: a string that determines the verb conjugation,

            either "past", "present" or "future".

    Return: a randomly chosen verb.

    """

    if tense == "past":

        words = ["drank", "ate", "grew", "laughed", "thought", "ran", "slept", "talked", "walked", "wrote"]

    elif tense == "future":

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

    else:

        if tense == "present":

            if grammatical\_number == 1:

                words = ["drinks", "eats", "grows", "laughs", "thinks", "runs", "sleeps", "talks", "walks", "writes"]

            else:

                words = ["drink", "eat", "grow", "laugh", "think", "run", "sleep", "talk", "walk", "write"]

    word = random.choice(words)

    return word

*# Write the main function and any other functions that you think are necessary for*

*# your program to generate and print six sentences with these characteristics:*

*# Grammatical Number    Verb Tense*

*# a.    single  past*

*# b.    plural  past*

*# c.    single  present*

*# d.    plural  present*

*# e.    single  future*

*# f.    plural  future*

def display(grammatical\_number,tense):

    print(get\_determiner(grammatical\_number),get\_noun(grammatical\_number),get\_verb(grammatical\_number, tense), get\_prepositional\_phrase(grammatical\_number))

def main():

    display(1,"past")

    display(2,"past")

    display(1,"present")

    display(2,"present")

    display(1,"future")

    display(2,"future")

main()