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# Brooklyn Roessner
# Final project
# Hangman

import random

'''It imports a random word from the word list'''

from time import sleep

'''Importing sleep so that there is a delay before printing the outcome'''

words = ['computer', 'python', 'programming', 'elif', 'print', 'import',
'pickle']
'''The words are picked'''

print("Hello, this is Brooklyn Roessner's Hangman game!")
'''displays at the beginning that this is my game and what game it is'''

def the_word():
    for x in right:
        print(x, end=' ')
    print()

'''prints out the different underscores and letters in the right list'''

print('Let me think of a word')

def wait():
    for x in range(5):
        print('.', end='')
        sleep(.5)
    print()

'''displays the program for a little bit and then prints out the word'''

wait()

picked = random.choice(words)

print('The word has', len(picked), 'letters')

right = ['_'] * len(picked)
wrong = []

def parts(x):
    if x == 0:
        print('      ', ' ', ' _____ ')
        print('      ', ' ', ' |         | ')
        print('      ', ' ', ' |         | ')
        print('      ', ' ', ' |         | ')
        print('      ', ' ', ' |         | ')

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    print('    , ' | ')
    print('    , ' | ')
    print('_____')
if x == 1:
    print('    , ' | ')
    print('    , ' | | ')
    print('    , ' | O ')
    print('    , ' | ')
    print('    , ' | ')
    print('    , ' | ')
    print('_____')
if x == 2:
    print('    , ' | ')
    print('    , ' | | ')
    print('    , ' | O ')
    print('    , ' | -|- ')
    print('    , ' | ')
    print('    , ' | ')
    print('_____')
if x == 3:
    print('    , ' | ')
    print('    , ' | | ')
    print('    , ' | O ')
    print('    , ' | -|- ')
    print('    , ' | | ')
    print('    , ' | ')
    print('_____')
if x == 4:
    print('    , ' | ')
    print('    , ' | | ')
    print('    , ' | O ')
    print('    , ' | -|- ')
    print('    , ' | | ')
    print('    , ' | / ')
    print('_____')
if x == 5:
    print('    , ' | ')
    print('    , ' | | ')
    print('    , ' | O ')
    print('    , ' | -|- ')
    print('    , ' | | ')
    print('    , ' | / \ ')
    print('_____')

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the_word()
parts(len(wrong))

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while True:

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    print('_____')

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    guess = input("Guess a letter: ")
    print('let me check')
    wait()

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    if guess in picked:
        index = 0

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        for i in picked:
            if i == guess:
                right[index] = guess
                index += 1
            the_word()

    else:
        if guess not in wrong:
            wrong.append(guess)
            parts(len(wrong))
        else:
            print('Already tried that')
            print(wrong)
    if len(wrong) > 4:
        print("You lose")
        print("The word that was picked was", picked)
        break
    if '_' not in right:
        print("Congratulations2 You Win!")
        break
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