import random

def play\_again():

    answer = input('Would you like to play again? yes/no').lower()

    if answer == 'y' or answer =='yes':

        play\_game()

    else:

        pass

def get\_word():

    file = open('word\_list.txt')

    words = file.readlines()

    word = random.choice(words)

    word = str(word).strip('\n')

    file.close()

    return word

def play\_game():

    alphabet = 'abcdefghijklmnopqrstuvwxyz'

    word = get\_word()

    letters\_guessed = []

    tries = 10

    guessed = False

    print('The word contains', len(word), 'letters.')

    print(len(word) \* '\*')

    while guessed == False and tries > 0:

        print('You have ' + str(tries) + ' tries')

        guess = input('Please enter one letter or the full word.').lower()

        #1 - user inputs a letter

        if len(guess) == 1:

            if guess not in alphabet:

                print('You have not entered a letter.')

            elif guess in letters\_guessed:

                print('You have already guessed that letter before.')

            elif guess not in word:

                print('Sorry, that letter is not part of the word :(')

                letters\_guessed.append(guess)

                tries -=1

            elif guess in word:

                print('Well done, that letter exists in the word!')

                letters\_guessed.append(guess)

            else:

                print('No idea why we get this message, should be investigated further!')

        #2 - user inputs the full word

        elif len(guess) == len(word):

            if guess == word:

                print('Well done, you have guessed the word!')

                guessed = True

            else:

                print('Sorry, that was not the word we were looking for :(')

                tries -= 1

        #3 - user inputs letters where the total number of letters =/= total number of letters in the word.

        else:

            print('The length of your guess is not the same as the length of the word we\'re looking for.')

        status = ''

        if guessed == False:

            for letter in word:

                if letter in letters\_guessed:

                    status += letter

                else:

                    status += '\*'

            print(status)

        if status == word:

            print('Well done, you have guessed the word!')

            guessed = True

        elif tries == 0:

            print('You have run out of guesses and you haven\'t guessed the word.')

    play\_again()

play\_game()