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import random as r

def menu(): #menu and instructions
    print('A Wordle Game ')
    print("Game Instructions: ")
    print('')
    print('User enter a five letter word.')
    print('')
    print('User gets six tries to guess the word correctly.')
    print('')
    return

def format_green(text): #green formula
    bg = lambda text, color: "\33[48;5;" + str(color) + "m" + text + "\33[0m"
    text = bg(text, 46) + " "
    return text

def format_yellow(text): #yellow formula
    bg = lambda text, color: "\33[48;5;" + str(color) + "m" + text + "\33[0m"
    text = bg(text, 226) + " "
    return text

def array_of_words(): #word bank
    array = ['DOUBT', 'EVERY', 'GUEST', 'DOZEN', 'EXACT' ]
    return r.choice(array) #random so it will choose any word from list

def main():
    menu() #call main
    array_word = array_of_words() # placing word in variable
    while True:
        for guess in range(0,6):
            print('Attempt Number',guess +1)
            print('')
            letter = input('Enter a five letter word: ').upper()

            for x in range(0,len(letter)) :

                if letter[x] == array_word[x]: #if letter is in correct position
                    print(format_green(letter[x]),end = '')
                    print('')
                elif letter[x] in array_word: # if letter is in word but wrong
                    position
                    print(format_yellow(letter[x]),end = '')
                    print('')
                else: #if letter is not in word
                    print(letter[x],end = '')
                    print('')
            if letter == array_word: #if user gets word right before
                the 6 tries are up
                print('You guessed the word in', guess + 1 , 'attempt(s)!!')
                print('')
                break

# as i added the while loop on my screen the word would print in a column rather
than a row. It kept changing as i ran the program.

        again = input('Continue? (y/n)') #continue or quit

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        if again != 'y':
            break
        else:
            continue
    print('')
    print('Bye!')
    return

if __name__ == '__main__':
    main()
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