

In [28]:

```
1 import random
2
3 def check_guess():
4     words = ['apple', 'orange', 'banana', 'grapes']
5     return random.choice(words)
6
7 def display_guess(word, guess_word):
8     display = ''
9     for letter in word:
10         if letter in guess_word:
11             display += letter
12         else:
13             display += '_'
14     return display
15
16 def hangman_func():
17     word = check_guess()
18     attempts = 6
19     guess_word = set()
20     while attempts > 0:
21         guess = input("Enter your guess: ").lower()
22         if len(guess) != 1 or not guess.isalpha():
23             print("Please enter a single letter.")
24             continue
25         if guess in guess_word:
26             print("You have already guessed that letter.")
27             continue
28         guess_word.add(guess)
29         if guess in word:
30             print("Right guess!")
31             print("Word: ", display_guess(word, guess_word))
32             if set(word) <= guess_word:
33                 print("Congratulations! You guessed the word right.")
34                 break
35         else:
36             print("Wrong guess!")
37             attempts -= 1
38             print("Attempts left:", attempts)
39     else:
40         print("Sorry, you have run out of attempts. The word was:", word)
41
42 hangman_func()
43
```

```
Enter your guess: a
Right guess!
Word: __a__
Enter your guess: o
Wrong guess!
Attempts left: 5
Enter your guess: n
Wrong guess!
Attempts left: 4
Enter your guess: g
Right guess!
Word: g_a__
Enter your guess: r
Right guess!
Word: gra__
Enter your guess: p
Right guess!
Word: grap__
Enter your guess: e
Right guess!
Word: grape_
Enter your guess: s
Right guess!
Word: grapes
Congratulations! You guessed the word right.
```

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