

Python String Practice Questions and Answers

1. Reverse a string

```
def reverse_string(s):  
    return s[::-1]  
  
# Example  
  
print(reverse_string("hello")) # Output: 'olleh'
```

2. Check if a string is a palindrome

```
def is_palindrome(s):  
    return s == s[::-1]  
  
# Example  
  
print(is_palindrome("radar")) # Output: True
```

3. Count vowels and consonants

```
def count_vowels_consonants(s):  
    vowels = 'aeiouAEIOU'  
  
    v = sum(1 for c in s if c in vowels)  
  
    c = sum(1 for c in s if c.isalpha() and c not in vowels)  
  
    return v, c  
  
# Example  
  
print(count_vowels_consonants("hello world")) # Output: (3, 7)
```

4. Check if two strings are anagrams

```
from collections import Counter
```

```
def are_anagrams(s1, s2):  
  
    return Counter(s1) == Counter(s2)  
  
# Example  
  
print(are_anagrams("listen", "silent")) # Output: True
```

5. Longest word in a sentence

```
def longest_word(sentence):  
  
    words = sentence.split()  
  
    return max(words, key=len)  
  
# Example  
  
print(longest_word("Python is amazing")) # Output: 'amazing'
```