**String and Text Manipulation – Interview Questions**

### 1. Remove Spaces from Given Text

**Problem:** Write a function to remove all spaces from the input string. **Explanation:** Remove any whitespace characters. **Input:** "he llo wor ld" **Output:** "helloworld"

### 2. Reverse a String

**Problem:** Write a function to reverse the characters in a string. **Input:** "hello" **Output:** "olleh"

### 3. Reverse a String After Removing Spaces

**Problem:** Write a function to reverse a string after removing all spaces. **Input:** "he llo world" **Output:** "dlrowolleh"

### 4. Convert Snake Case to Camel Case

**Problem:** Convert a string from snake\_case to camelCase. **Input:** "my\_variable\_name" **Output:** "myVariableName"

### 5. Convert Snake Case to Pascal Case

**Problem:** Convert a string from snake\_case to PascalCase. **Input:** "my\_variable\_name" **Output:** "MyVariableName"

### 6. Convert Camel Case to Snake Case

**Problem:** Convert a string from camelCase to snake\_case. **Input:** "myVariableName" **Output:** "my\_variable\_name"

### 7. Convert Camel Case to Pascal Case

**Problem:** Convert a string from camelCase to PascalCase. **Input:** "myVariable" **Output:** "MyVariable"

### 8. Convert Pascal Case to Camel Case

**Problem:** Convert a string from PascalCase to camelCase. **Input:** "MyVariable" **Output:** "myVariable"

### 9. Convert Pascal Case to Snake Case

**Problem:** Convert a string from PascalCase to snake\_case. **Input:** "MyVariable" **Output:** "my\_variable"

### 10. Convert Text to Camel Case

**Problem:** Convert a space-separated sentence into camelCase. **Input:** "hello world example" **Output:** "helloWorldExample"

### 11. Convert Text to Snake Case

**Problem:** Convert a space-separated sentence into snake\_case. **Input:** "hello world example" **Output:** "hello\_world\_example"

### 12. Convert Text to Pascal Case

**Problem:** Convert a space-separated sentence into PascalCase. **Input:** "hello world example" **Output:** "HelloWorldExample"

### 13. Swap Upper and Lower Case

**Problem:** Swap the case of each letter in a given string. **Input:** "HeLLo" **Output:** "hEllO"

### 14. Separate Digits from Text

**Problem:** Extract all digits from a given alphanumeric string. **Input:** "abc123d4" **Output:** "1234"

### 15. Print Uppercase, Lowercase, Digits, and Special Characters Separately

**Problem:** Print each type of character separately from the string. **Input:** "Abc123!@#" **Output:**

Uppercase: A  
Lowercase: b c  
Digits: 1 2 3  
Special Characters: ! @ #

### 16. Count of Uppercase, Lowercase, Digits, and Special Characters

**Problem:** Count each type of character in a string. **Input:** "AbC@123x!" **Output:**

Uppercase: 2  
Lowercase: 1  
Digits: 3  
Special Characters: 2

### 17. Check Password Strength

**Problem:** Check if a password contains at least one uppercase, one lowercase, one digit, and one special character. **Input:** "Pass123!" **Output:** "Strong Password"

### 18. Remove Duplicates in a Given Input

**Problem:** Remove duplicate characters from a string. **Input:** "aabbcc" **Output:** "abc"

### 19. Print Duplicates in a Given String

**Problem:** Identify and print duplicate characters in a string. **Input:** "aabbccde" **Output:** a b c

### 20. Print Next Characters in a Given String

**Problem:** Replace each character in the string with its next character. **Input:** "abc" **Output:** "bcd"

Would you like to:

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