

String Practice Problems

Find and Extract

1. Find the index of the substring 'ava' in the string 'javajavascript'.

Expected Output: 4

2. Extract the substring from index 3 to 9 (not including 9) in the string 'programming'.

Expected Output: 'grammi'

3. Get the character at index 2 in the string 'developer'.

Expected Output: 'v'

4. Get the Unicode value of the character at index 6 in the string 'frontend'.

Expected Output: 116

Replace and Modify

1. Replace the first occurrence of 'java' with 'C++' in the string 'javajavascript'.

Expected Output: 'C++javascript'

2. Replace all occurrences of 'is' with 'was' in the string 'This is a simple task. Is it?'.

Expected Output: 'Thwas was a simple task. was it?'

3. Convert the string 'typescript' to uppercase.

Expected Output: 'TYPESCRIPT'

4. Repeat the string 'abc' 4 times.

Expected Output: 'abcbcabcbabc'

5. Concatenate 'Node' and 'JS' to the string 'Express'.

Expected Output: 'ExpressNodeJS'

Search and Match

1. Check if the string 'backend' includes the substring 'end'.

Expected Output: true

2. Check if the string 'ReactJs' (case-insensitive) contains the substring 'js'.

Expected Output: true

3. Check if the string 'documentation' ends with the substring 'ion'.

Expected Output: true

4. Check if the string 'database' starts with the substring 'data'.

Expected Output: true

Formatting

1. Trim the whitespace from both ends of the string ' Hello World '.

Expected Output: 'Hello World'

2. Split the string 'css:html:js' into an array using ':' as the delimiter.

Expected Output: ['css', 'html', 'js']

3. Pad the beginning of the string '42' to a minimum length of 5 with '0'.

Expected Output: '00042'

4. Pad the end of the string 'code' to a minimum length of 8 with '@'.

Expected Output: 'code@@@@'

Template Literals

1. Write a function using template literals that takes two arguments, *firstName* and *lastName*, and

returns them formatted as 'Last Name, First Name'. If no arguments are provided, the default should

be 'Doe, John'.

Example: *fullname*('Elon', 'Musk') should return 'Musk, Elon'

Expected Output: 'Musk, Elon'

2. Modify the *fullname* function from the code to also include a middle name. The middle name should be optional, and if provided, it should be formatted as 'FirstName M. LastName'.

Example: *fullname*('John', 'Doe', 'Michael') should return 'John M. Doe'

Expected Output: 'John M. Doe'