**TASK-4**

Write a code to get like below using

Join method

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**1.**



**Code:**

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**Output:**

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**Explanation:**

The JavaScript code defines an array fruits containing three string elements: 'Apple', ' Banana', and 'Orange'.

The join(",") method is called on the array, which combines all the elements into a single string, separated by a comma.

The output is "Apple, Banana,Orange", which is then printed to the console.

**2.**



**Code:**

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**Output:**

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**Explanation:**

The JavaScript code defines an array numbers containing five elements: [1, 2, 3, 4, 5].

The join("-") method combines all the elements into a single string, with each element separated by a hyphen.

The output is "1-2-3-4-5", which is printed to the console.

**3.**



**Code:**

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**Output:**



**Explanation:**

The JavaScript code defines an array chars with the elements ['H', 'e', 'l', 'l', '0'].

The join("") method concatenates all the elements into a single string, without any separator.

The output is "Hell0", which is printed to the console.

Slice method

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**4.**



**Code:**

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**Output:**

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**Explanation:**

The JavaScript code defines an array text with a single string element 'javascript is awesome'.

The slice(0, 10) method is being called on the array text, which is incorrect. The slice method should be called on the string, not the array.

To correct it, you would use text[0].slice(0,10), which would output "javascript". As it stands, the code will throw an error.

**5.**



**Code:**

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**Output:**

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**Explanation:**

The JavaScript code defines a string variable sentence with the value 'I love learning javascript'.

The slice(7, 15) method extracts characters starting from index 7 to index 14 of the string, which results in the substring "learning".

The output "learning" is then printed to the console.

**6.**



**Code:**

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**Output:**

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**Explanation:**

text.slice(-11) extracts the last 11 characters from the string "Frontend Development".

Since negative indices in slice count from the end, the substring starts at the 11th character from the end.

The output is "Development", which is logged to the console.

Split method

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**7.**



**Code:**

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**Output:**

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**Explanation:**

The split("-") method divides the string "2024-10-21" into an array using the hyphen - as the delimiter.

This results in three parts: the year, month, and day.

The output logged to the console is ["2024", "10", "21"].

**8.**



**Code:**

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**Output:**

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**Explanation:**

The split(" ") method divides the string "I love javascript programming" into an array of words using the space character as the delimiter.

The slice(0, 2) method extracts the first two elements of the resulting array.

The output logged to the console is ["I", "love"], which includes the first two words of the original string.

**9.**



**Code:**

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**Output:**

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**Explanation:**

The split("/ ") method attempts to divide the string url into an array at each occurrence of the string "/ " (a forward slash followed by a space).

Since there are no instances of "/ " in the URL, the entire string remains intact as the only element in the resulting array.

The output logged to the console is ["https:", "", "www.example.com", "path", "page.html"], where it splits by the / character, but the space after it is ignored as it doesn't exist in the URL.