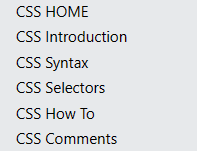
**FRONTEND TOPICS 1:**

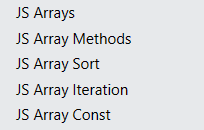
**1.** **HTML: Basic HTML tags and their attributes:** [HTML Reference (w3schools.com)](https://www.w3schools.com/tags/default.asp)

<!DOCTYPE>       
<html>      
<head>      
<title>      
<body>      
<h1> to <h6>      
<p>      
<br>      
<hr>      
<!--...-->

**2. CSS: First 5 topics**: [CSS Tutorial (w3schools.com)](https://www.w3schools.com/css/default.asp)



**3. JavaScript: Array Methods and Properties**: [JavaScript Array Reference (w3schools.com)](https://www.w3schools.com/jsref/jsref_obj_array.asp)



at()  
concat()  
constructor  
copyWithin()  
entries()  
every()  
fill()  
filter()  
find()  
findIndex()  
flat()  
flatMap()  
forEach()  
from()  
includes()  
indexOf()  
isArray()  
join()  
keys()  
lastIndexOf()  
length  
map()  
pop()  
prototype  
push()  
reduce()  
reduceRight()  
reverse()  
shift()  
slice()  
some()  
sort()  
splice()  
toString()  
unshift()  
valueOf()

**SELF EVALUATION 1:**

Q1. Create a basic HTML document. (All basic tags along with required attributes, also mention the tags that goes in head element).

Q2. Mention 3 ways of styling a document, along with cascading order (mention priority using comments).

Q3. Explain CSS selectors: simple, combinator, pseudo-class(links/form/table), pseudo-elements and attribute selectors.

Q4. Mention ways to create an array, access and manipulate it. How to recognise if a variable is an array?

Q5. Find the size of an array, access the first and last element of array and add new element using appropriate array

property.

Q6. Mention different methods to add new element to an array.

Q7. Mention different methods to delete element from an array.

Q8. Mention iteration methods that loop through every elements in an array along with their return value.

Q9. Mention methods that return index(es) of array element(s).

Q10. Mention methods used to check if element is present in array along with their return value.

Q11. Mention methods used to access last element, part of array along with their return value.

Q12. Mention methods used to combine arrays.

Q13. Sort a number array, array of objects based on string value (eg: [{name: 'Zayn', age: 23 }, {name: 'Ana', age: 35 },...]) and reverse it.

Q14. In array: [1, 2, [3, 4], [5, [6, 7]]], mention methods used to get following output: [1, 2, 3, 4, 5, 6, 7].

Q15. In array: [1, 2, 3, 4, 5], mention method to replace the last element with the first element.

Q16. In array: ["It's a sunny day", "I want ice-cream"] using appropriate method get this output: ["it's", "a", "sunny", "day", "I", "want", "ice-cream"] (Hint: "A boy".split(" ") => ["a", "boy"])

Q.17 Use appropriate methods to convert string to array and vice versa.

**Note:** Implement all the above questions with proper comments, you can console log to show the result. Also, make use of different types of arrays(number/string arrays /array of object).