**Assignment Day2**

**Question 1:**

**Write a JS code which takes input from the user and logs it in the console.**

**A:**

<html>

    <head>

        <title>

            "console example"

        </title>

    </head>

    <body>

        <script>

            let a=prompt("Enter the tutorial name:");

            console.log(a);

        </script>

    </body>

</html>

**Question 2:**

**Explain with examples the remaining methods of String and Array.**

**A:String Methods**

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| **String Methods** | **Description** | **Example** |
| indexOf( ) | The indexOf() method returns the index of (the position of) the first occurrence of a specified text in a string | let str = "Please locate where 'locate' occurs!"; var pos = str.indexOf("locate"); |
| lastIndexOf( ) | The lastIndexOf() method returns the index of the **last** occurrence of a specified text in a string | let str = "Please locate where 'locate' occurs!"; var pos = str.lastIndexOf("locate"); |
| search( ) | The search() method searches a string for a specified value and returns the position of the match | let str = "Please locate where 'locate' occurs!"; var pos = str.search("locate"); |
| slice( ) | slice() extracts a part of a string and returns the extracted part in a new string | let str = "Apple, Banana, Kiwi"; var res = str.slice(7, 13); |
| replace( ) | The replace() method replaces a specified value with another value in a string | str = "Please visit Microsoft!"; let n = str.replace("Microsoft", "LetsUpgrade"); |

**Array Methods**

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| --- | --- | --- |
| **Array Methods** | **Description** | **Examples** |
| pop( ) | The pop() method removes the last element from an array | let fruits = ["Banana", "Orange", "Apple", "Mango"]; fruits.pop(); |
| push( ) | The push() method adds a new element to an array (at the end) | let fruits = ["Banana", "Orange", "Apple", "Mango"]; fruits.push("Kiwi"); |
| splice( ) | The splice() method can be used to add new items to an array | let fruits = ["Banana", "Orange", "Apple", "Mango"]; fruits.splice(2, 0, "Lemon", "Kiwi"); |
| concat( ) | The concat() method creates a new array by merging (concatenating) existing arrays | let g = ["Cecilie", "Lone"]; let b = ["Emil", "Tobias", "Linus"]; let c = g.concat(b); |
| slice( ) | The slice() method slices out a piece of an array into a new array | let fruits = ["Banana", "Orange", "Lemon", "Apple", "Mango"]; let citrus = fruits.slice(1); |