

LetsUpgrade

JavaScript Assignment

Day-2

Submitted by

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Ques1. Write a JS code which takes input from the user and logs it in the console.

Ans <!DOCTYPE html>

<html>

<body>

<p>user input</p>

<button onclick="myFunction()">Click me</button>

<p id="demo"></p>

<script>

function myFunction()

{

var person = prompt("Please enter your name", "");

if (person != null)

{

document.getElementById("demo").innerHTML =

"Hello " + person + "! How are you today?";

}

}

</script>

</body>

</html>

Ques2. Explain with examples the remaining methods of String and Array

Ans Array Methods

1. **toString():** It converts an array to a string of array values.

```
var fruits=["Banana", "Orange", "Apple", "Mango"];  
document.getElementById("demo").innerHTML = fruits.toString();
```

Output: Banana,Orange,Apple,Mango

2. **pop():** It is used to remove the last element from the array.

```
var fruits=["Banana", "Orange", "Apple", "Mango"];  
  
fruits.pop();
```

Output: Banana,Orange,Apple.

3. **push():** It is used to add an element in the array.

```
var fruits=["Banana", "Orange", "Apple", "Mango"];  
  
fruits.push("Grapes");
```

Output: Banana,Orange,Apple,Mango,Grapes.

4. **concat():** It creates the new array by merging the existing array.

```
var fruits=["Banana", "Orange", "Apple", "Mango"];  
  
var vegetables=["Onion", "Cabbage", "Beans"];  
  
var sum=fruits.concat(vegetables);
```

Output: Banana,Orange,Apple,Mango,Onion,Cabbage,Beans.

String Methods

1. **length():** It defines the length of the string.

```
var name="Abhisheksharma";  
  
var check=name.length;
```

Output: 14

2. **indexOf()**: it returns the position of the first specified occurrence of text in a string.

```
var name="Hey everyone how are you?";  
var check=name.indexOf("how");
```

Output: 13

3. **lastIndexOf()**: it returns the position of the last occurrence of text in a string.

```
var name="Hey everyone how are you?";  
var check=name.lastIndexOf("how");
```

Output: 9

4. **search()**: it searches the string for a specified value and returns the position of a match.

```
var name="Hey everyone how are you?";  
var check=name.search("how");
```

Output: 13

Ques3. Ask the user if he is 21+ and log the value "Can drink", "Cannot Drink"

Ans <!DOCTYPE html>

<html>

<body>

<p>Click the button to demonstrate the prompt box.</p>

<button onclick="myFunction()">Try it</button>

<p id="demo"></p>

<script>

function myFunction()

{

var person = prompt("Please enter your age ", "");

if (person >21)

{

document.getElementById("demo").innerHTML =

"Can Drink";

}

else

```
{  
  document.getElementById("demo").innerHTML =  
    "Cannot Drink";  
}  
}  
</script>  
</body>  
</html>
```