FET PRACTICAL - 6

Objective: To understand the usage of arrays in JavaScript.

Exercise:

You are a data scientist. While analyzing the data in an array, you found a lot of bad entries in it.

Now you want to clean the data by removing 'null', '0', '""', 'false', 'undefined' and 'NaN' values

from the array. Your task is to:

1. Clean the data and keep only numeric values for further analysis.

2. Print the number of elements finally available.

3. Shuffle the array and display

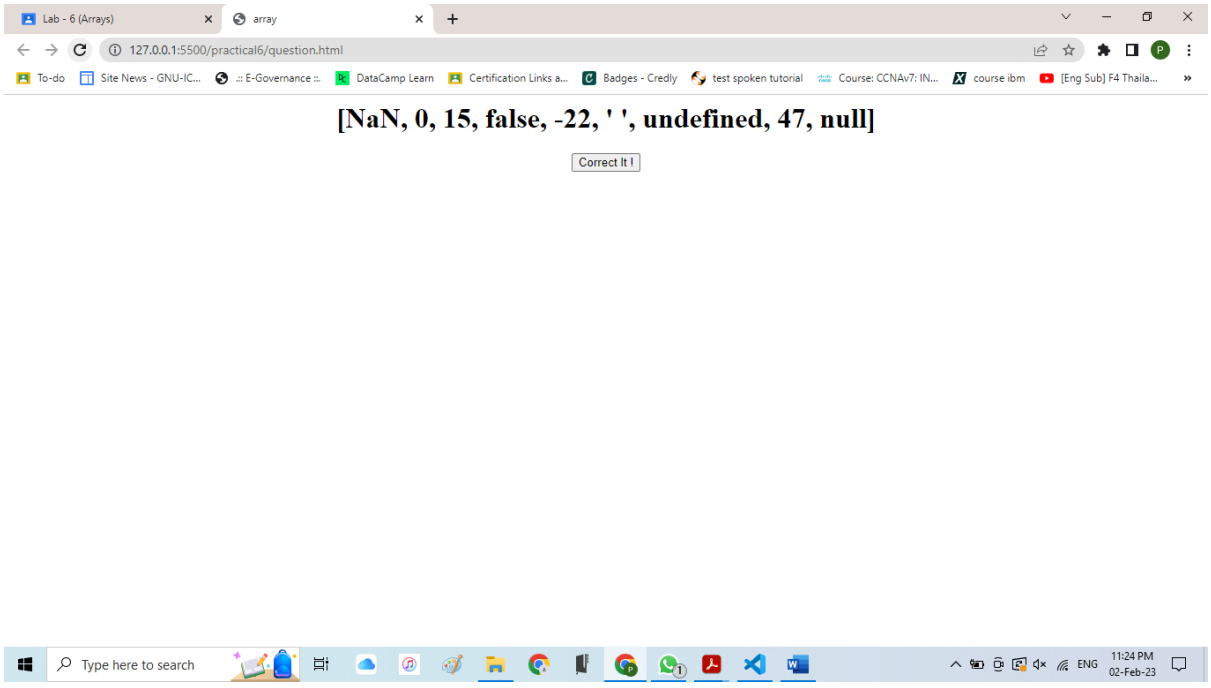
Write the code snippet in JavaScript.

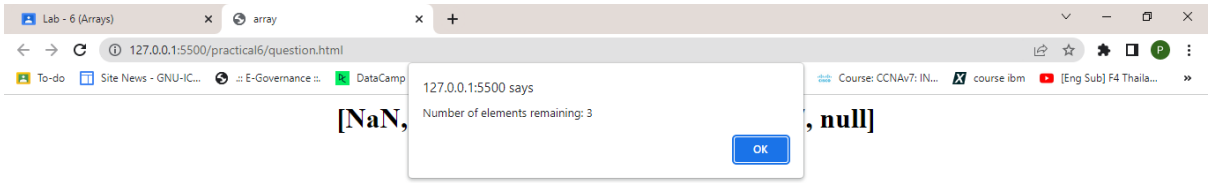
Code:

```
<html>
    <head>
        <title>array</title>
        <script>
            function arrayCorrect() {
            const array = [NaN, 0, 15, false, -22, ' ', undefined, 47, null];
            const cArray = array.filter(a => typeof a === "number" &&
!isNaN(a)&& a !== 0);
            alert(`Number of elements remaining: ${cArray.length}`);
            shuffle(cArray);
            document.getElementById('result').innerHTML = cArray;
                                    }
function shuffle(array)
{
for (let i = array.length - 1; i > 0; i--)
{
const j = Math.floor(Math.random() * (i + 1));
[array[i], array[j]] = [array[j], array[i]];
}
}
```

```
        </script>
    </head>
    <body>
      <center>
        <h1>[NaN, 0, 15, false, -22, ' ', undefined, 47, null]</h1>
        <button onclick="arrayCorrect()">Correct It !</button>
        <h1 id="result"></h1>
      </center>
    </body>
</html>
```

Output:




Lab - 6 (Arrays)
array
127.0.0.1:5500/practical6/question.html
127.0.0.1:5500 says
Number of elements remaining: 3
OK
[NaN,
, null]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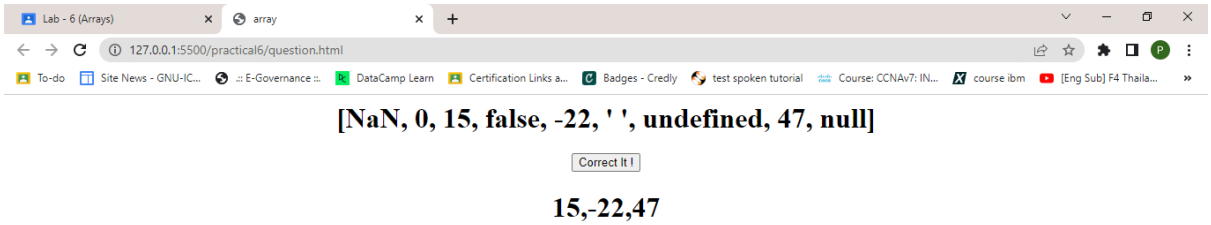
Lab - 6 (Arrays)
array
127.0.0.1:5500/practical6/question.html
[NaN, 0, 15, false, -22, ' ', undefined, 47, null]
Correct It !
15,-22,47


Type here to search
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