

JavaScript Objects

Roll no: 42427 Name: Aditi Kalegaonkar
Div: BE6 Q6

Enter Array Size: 3

Enter Element: 5

Add

Array Overflow!

Enter the index to be checked (is Array
or not): 1

Submit

The element is not an array.

JavaScript Objects

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Enter Array Size:

Enter Element:

Add

Array is: `[[1,2,3],
{"name":"Alice","age":23},4]`

Enter the index to be checked (is Array
or not):

Submit

HTML:-

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <meta name="viewport" content="width=device-width, initial-  
scale=1.0">
```

```
  <title>Exp 7</title>
```

```
  <link rel="stylesheet" href="styles.css">
```

```
  <link rel="preconnect" href="https://fonts.googleapis.com">
```

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```
<link rel="preconnect" href="https://fonts.gstatic.com"
crossorigin>
```

```
<link
href="https://fonts.googleapis.com/css2?family=Space+Mono:ital,wght@0,
400;0,700;1,400;1,700&display=swap"
```

```
rel="stylesheet">
```

```
</head>
```

```
<body class="space-mono-regular">
```

```
<h1>JavaScript Objects</h1>
```

```
<div class="space-mono-bold">
```

```
Roll no: 42427
```

```
Name: Aditi Kalegaonkar
```

```
Div: BE6 Q6
```

```
</div>
```

```
<div class="Size">
```

```
<label>Enter Array Size: </label>
```

```
<input type="text" id="size" class="ipcontainer" />
```

```
<br />
```

```
<br />
```

```
<label>Enter Element: </label>
```

```
<input id="obj" type="text" class="ipcontainer" />
```

```
<button onclick="add()" class="space-mono-bold">Add</button>
```

```
<p id="out"></p>
```

```
</div>
```

```
<div>
```

```
<label>Enter the index to be checked (is Array or not):
</label>
```

```
<input type="text" id="idx" class="ipcontainer" />
```

```
<br />
```

```
<br />
```

```
<button onclick="check()" class="space-mono-
bold">Submit</button>
```

```
<p id="res"></p>
```

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</div>

<script src="09-09-25.js"></script>
</body>

</html>

CSS:-

```
.space-mono-regular {  
  font-family: "Space Mono", monospace;  
  font-weight: 400;  
  font-style: normal;  
}
```

```
.space-mono-bold {  
  font-family: "Space Mono", monospace;  
  font-weight: 700;  
  font-style: normal;  
}
```

```
body{  
  background-color: #67C090;  
  display: flex;  
  flex-direction: column;  
  justify-content: center;  
  align-items: center;  
}
```

```
div{  
  background-color: #DDF4E7;  
  padding: 10px;  
  margin: 10px;  
  border-radius: 10px;
```

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```
    max-height: 400px;  
    max-width: 400px;  
}
```

```
h1{  
    color: black;  
}
```

```
.ipcontainer{  
    height: 30px;  
    width: 100px;  
    border-radius: 10px;  
    border: none;  
    box-shadow: white;  
}
```

```
button{  
    background-color: #26667F;  
    height: 30px;  
    width: 100px;  
    color: white;  
    border: 10px;  
    border-radius: 10px;  
}
```

```
p{  
    background-color: #26667F;  
    color: white;  
    min-width: 100px;  
    border-radius: 10px;  
}
```

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JS:-

```
let arr = [];
let size = 0;

document.getElementById("size").addEventListener("input", e => {
    size = +e.target.value;
    arr = [];
    document.getElementById("out").innerText = "Size set to: " + size;
});

function add() {
    let raw = document.getElementById("obj").value;
    if (arr.length >= size){
        document.getElementById("out").innerText = "Array Overflow!";
    }
    else{
        try {
            arr.push(eval("(" + raw + ")"));
        } catch {
            arr.push(raw);
        }

        document.getElementById("out").innerText = "Array is: " +
JSON.stringify(arr);
        document.getElementById("out").style =
document.getElementById("obj").value = "";
    }
}

function check() {
    let idx = parseInt(document.getElementById("idx").value);
    if (isNaN(idx) || idx < 0 || idx >= arr.length) {
```

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```
        document.getElementById("res").innerText = "Invalid index!";
        return;
    }
    let val = arr[idx];

    if (Array.isArray(val)) {
        document.getElementById("res").innerText = "The element is an
array.";
    } else {
        document.getElementById("res").innerText = "The element is not
an array.";
    }
}
```