

## JavaScript – Arrays: Part 1

### Practice Problems

Answer the following questions and run the code in Codepen.

Q1. Write a JavaScript program to find the longest string from a given array.

#### Sample Data

#### Input:

```
Array: ['asdf', 'sd', 'something', 'right', 'position']
```

#### Output:

```
"Longest String in array : something "
```

Q2. Write a JavaScript program to remove '0', false, undefined, null, NaN, "" from given array.

**Sample Data**

**Input:**

```
Array: [NaN, 0, 15, false, -22, "", undefined, 47, null, 94]
```

**Output:**

```
[15, -22, 47, 94]
```

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Q3. Write a JavaScript code to divide a given array of positive integers into two parts. First element goes to first part, second element goes to second part, and third element goes to first part and so on.

Now compute the sum of two parts and store into an array of size two.

### **Sample Data**

**Input:**

```
Array: [1, 3, 6, 2, 5, 10]
```

**Output:**

```
[12, 15]
```

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Q4. Write a JavaScript program to check whether there is at least one element which occurs in two given sorted arrays of integers.

**Sample Data**

**Input 1:**

```
arr1 = [1,2,3];  
arr2 = [3,4,5];
```

**Output 1:**

```
True
```

**Input 2:**

```
arr1 = [1,2,3];  
arr2 = [4,5,6];
```

**Output 2:**

```
False
```

Q5. Write a JavaScript function to find the difference of two arrays.

**Sample Data**

**Input:**

```
arr1=[1, 2, 3]; arr2=[100, 2, 1, 10]
```

**Output:**

```
[3, 100, 10]
```

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**Codepen URL:** <https://codepen.io/qaifikhan/pen/zbwVaa>

**My Twitter Handle:** @qaifikhan

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**All the Best!**