JavaScript – Arrays: Part 2

Practice Problems

Answer the following questions and run the code in Codepen.

Q1. Write a JavaScript program to create a new array by reversing the elements of given array.

Sample Data

Input:

```
arr = [1,'a',2,'b',3,'c',6,'d',7,'e',8,'f']
```

Output: See 17. exercise 1.js

```
["f", 8, "e", 7, "d", 6, "c", 3, "b", 2, "a", 1]
```

Q2. Write a JavaScript program to check if there is at least one element which occurs in two given sorted arrays of integers.

Sample Data

Input:

```
arr1 = [4, 11, 12, 23, 46, 65, 70, 73, 98];
arr2 = [7, 13, 25, 46, 58, 70, 84];
```

See 17. exercise 2.js

Output:

```
Element found: Yes
```

Q3. Write a JavaScript program to check whether a given array of integers represents either a **strictly** increasing or a strictly **decreasing** sequence.

Example:
        [1,2,2] is NOT a strictly increasing sequence
        [1,2,3] is a strictly increasing sequence	

Sequences to test:

1. [4,5,6,7,8]

2. [3,4,6,6,7,8,9]

3. [34,23,45,55,67,77]

See 17. exercise 3.js

Q4. Write a JavaScript function to convert an amount to coins.

Sample Data

Input:

> 46, [25, 10, 5, 2, 1]

Here **46** is the amount and 25, 10, 5, 2, 1 are coins.

See 17. exercise 4.js

Output:

> 25, 10, 10, 1

Q5. Write a JavaScript function to create a new array from given array by **formatting** the numbers to human readable form with correct **suffix** like 1 to **1st**, 2 to **2nd**, 3 to **3rd** and 4 to **4th**.

Sample Data

Input:

[22,8, 301, 404, 35, 99]

See 17. exercise 5.js

Output:

["22nd", "8th", "301st", "404th", "35th", "99th"]

Codepen URL: https://codepen.io/qaifikhan/pen/gEWVrw

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All the Best!