DWA_03.4 Knowledge Check_DWA3.1

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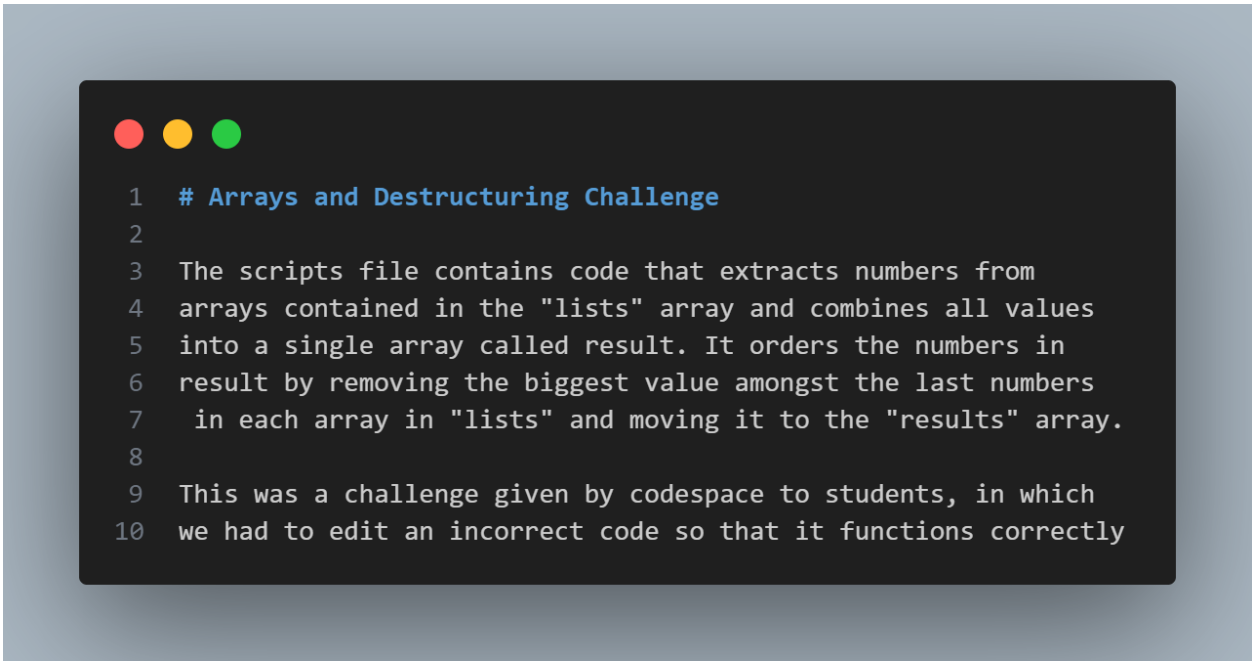
1. Please show how you applied a Markdown File to a piece of your code.

Below is a snippet of code in a Markdown file. The markdown file was added to the repository.



```
# Arrays and Destructuring Challenge

The scripts file contains code that extracts numbers from
arrays contained in the "lists" array and combines all values
into a single array called result. It orders the numbers in
result by removing the biggest value amongst the last numbers
 in each array in "lists" and moving it to the "results" array.

This was a challenge given by codespace to students, in which
we had to edit an incorrect code so that it functions correctly
```

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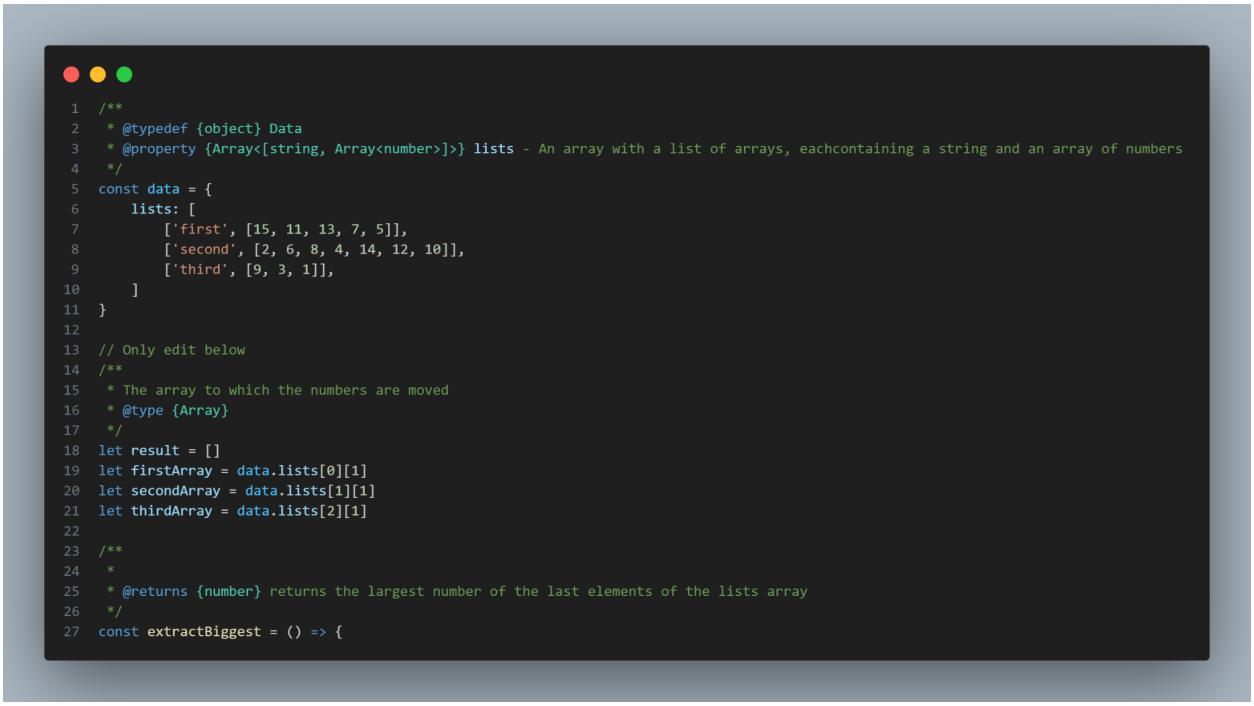
2. Please show how you applied JSDoc Comments to a piece of your code.
Below is a snippet of code demonstrating the use of JSDoc comments, by the use of the /** */ syntax and adding @typedef, @property, @returns and @type tags



```
/**
 * @typedef {object} Data
 * @property {Array<[string, Array<number>]>} lists - An array with a list of arrays, eachcontaining a string and an array of numbers
 */
const data = {
    lists: [
        ['first', [15, 11, 13, 7, 5]],
        ['second', [2, 6, 8, 4, 14, 12, 10]],
        ['third', [9, 3, 1]],
    ]
}

// Only edit below
/**
 * The array to which the numbers are moved
 * @type {Array}
 */
let result = []
let firstArray = data.lists[0][1]
let secondArray = data.lists[1][1]
let thirdArray = data.lists[2][1]

/**
 *
 * @returns {number} returns the largest number of the last elements of the lists array
 */
const extractBiggest = () => {
```

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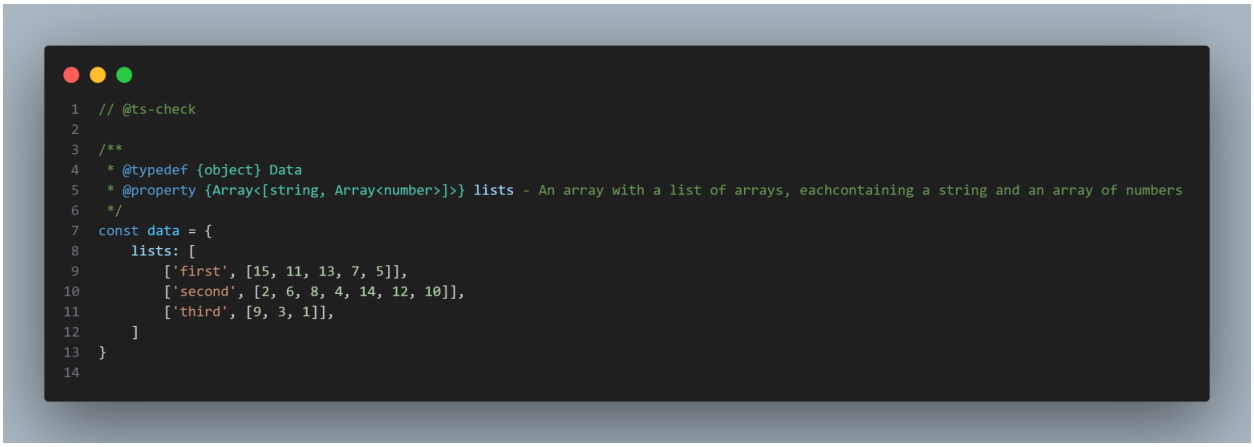
3. Please show how you applied the @ts-check annotation to a piece of your code. The following snippet shows the addition of the code: “// @ts-check” at the top.



```
// @ts-check

/**
 * @typedef {object} Data
 * @property {Array<[string, Array<number>]>} lists - An array with a list of arrays, eachcontaining a string and an array of numbers
 */
const data = {
    lists: [
        ['first', [15, 11, 13, 7, 5]],
        ['second', [2, 6, 8, 4, 14, 12, 10]],
        ['third', [9, 3, 1]],
    ]
}

```

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4. As a BONUS, please show how you applied any other concept covered in the 'Documentation' module.
