# Lab: Arrays - bonus

Problems for in-class lab for the ["JavaScript Advanced" course @ SoftUni](https://softuni.bg/trainings/3217/js-advanced-january-2021). Submit your solutions in the SoftUni judge system at <https://judge.softuni.bg/Contests/2752/Arrays-and-Nested-Arrays-Lab>.

# Arrays

## Bigger Half

You are given an array of numbers. Write a JS function that **sorts** the array in **ascending order** and returns a new array, containing only the **second half** of the input. If there are an odd number of elements in the input, always take the bigger half. For example, if the input array contains 4 elements, the output should be 2, and if the input is 5 – the output is 3.

The **input** comes as **array of number elements**.

The **output** is the **return** value of the function and should be an **array of numbers**.

### Example

|  |  |
| --- | --- |
| **Input** | **Output** |
| [4, 7, 2, 5] | [5, 7] |
| [3, 19, 14, 7, 2, 19, 6] | [7, 14, 19, 19] |

## Piece of Pie

Write a function that receives **three parameters** – an **array** of pie flavors as **strings** two target flavors as **strings**. The result of the function should be a **new array**, containing a section of the original array, **starting** at the first flavor parameter, and **ending** at (and **including**) the second flavor parameter.

The **input** comes as **three arguments**:

* An **array of strings**, representing pie flavors
* **Two more strings**, representing the start and end of the section, respectively

The **output** is the **return** value of the function and should be an **array of strings**.

### Example

|  |  |
| --- | --- |
| **Input** | **Output** |
| ['Pumpkin Pie',  'Key Lime Pie',  'Cherry Pie',  'Lemon Meringue Pie',  'Sugar Cream Pie'],  'Key Lime Pie',  'Lemon Meringue Pie' | ['Key Lime Pie',  'Cherry Pie',  'Lemon Meringue Pie'] |
| ['Apple Crisp',  'Mississippi Mud Pie',  'Pot Pie',  'Steak and Cheese Pie',  'Butter Chicken Pie',  'Smoked Fish Pie'],  'Pot Pie',  'Smoked Fish Pie' | ['Pot Pie',  'Steak and Cheese Pie',  'Butter Chicken Pie',  'Smoked Fish Pie'] |