Assignment 2 - Array Algorithms

## Instructions

1. Please follow the instructions to complete the coding tasks
2. For submission, please submit it to TalentLabs learning platform.

## Part 0 Downloading the Code Package

Firstly, please download the assignment code package from Google Drive and unzip it. Open the whole folder in VS Code.

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## Part 1 Coding the array algorithm questions

### General Notes:

Please leverage the test cases we provided at the bottom of each of the code file to debug your program. Those test cases cover different scenarios of the given tasks, and provide a way for you to check answers.

If some of the test cases are failing, that means you have some obvious scenarios that you are not covering yet. Try to dry run the code with the failing test cases with your mind or a piece of paper, and find out what you are missing.

### 1.1 In this part, you are going to try coding the “Find Missing Numbers” algorithm question we discussed in class.

Open exercise-1.js file and please finish the findMissingNumber function according to the specification in the file. We have prepared some test cases for you to test your functions.

### 1.2 In this part, you are going to try coding the “Find Duplicate Numbers” algorithm question we discussed in class

Open exercise-2.js file and please finish the findDuplicateNumbers function according to the specification in the file. We have prepared some test cases for you to test your functions.

### 1.3 In this part, you are going to try coding the “Find Pairs” algorithm question we discussed in class.

Open exercise-3.js file and please finish the findPairs function according to the specification in the file. We have prepared some test cases for you to test your functions.