Assignment 6 - Sorting Algorithm (Part 2)

## 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 sorting algorithms

### General Notes:

**\*\* You are only required to complete one of the 2 questions. But feel free to complete both if you are interested. \*\***

Please leverage the test cases we provided at the bottom of each of the code files 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 Merge Sort algorithm we discussed in class.

Open merge-sort.js file and please finish the merge and mergeSort 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 Quick Sort algorithm we discussed in class.

Open quick-sort.js file and please finish the partition and quickSort function according to the specification in the file. We have prepared some test cases for you to test your functions.