Assignment 4 - Searching 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 searching algorithm questions

### General Notes:

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 “Reverse String” algorithm question we discussed in class.

Open linear-search.js file and please finish the linearSearch 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 Substring” algorithm question we discussed in class

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