**BÁO CÁO TUẦN 14**

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# Kiến thức đã học

## Một số thuật toán & phương pháp đã tìm hiểu

## Hoạt động luyện tập

### 2.1. Tạo Project TODO-LIST và kết nối với cơ sở dữ liệu trên PosgreSQL

* Tạo Entity User và generate Token sử dụng JWT.
* Yêu cầu xác thực JWT đến các endpoint

Link [***Github***](https://github.com/myrdin44/todo-list4/tree/master)

### 2.2. Luyện tập Coding

* Luyện tập một số bài tập trên LeetCode.

Link [***Github***](https://github.com/myrdin44/trainDSA/)submit bài làm.

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| --- | --- | --- | --- | --- |
| STT | Link đề bài | Tên bài toán (Problem) | Số lần submit | Thời gian (p) |
| 1 | [**Link**](https://leetcode.com/problems/symmetric-tree/description/) | **Symmetric Tree** | **4** | **17** |
| 2 | [**Link**](https://leetcode.com/problems/maximum-depth-of-binary-tree/description/) | **Maximum depth of Binary Tree** | **6** | **15** |
| 3 | [**Link**](https://leetcode.com/problems/maximum-product-difference-between-two-pairs/description/) | **Maximum Product Difference between Two Pairs** | **2** | **10** |
| 4 | [**Link**](https://leetcode.com/problems/check-if-all-characters-have-equal-number-of-occurrences/description/) | **Check if All Characters Have Equal Number of occurrences** | **2** | **8** |
| 5 | [**Link**](https://leetcode.com/problems/maximum-number-of-words-you-can-type/description/) | **Maximum Number of Words You Can Type** | **3** | **10** |
| 6 | [**Link**](https://leetcode.com/problems/sum-of-digits-of-string-after-convert/description/) | **Sum of Digits of String After Convert** | **3** | **12** |
| 7 | [**Link**](https://leetcode.com/problems/three-divisors/description/) | **Three Divisors** | **2** | **7** |
| 8 | [**Link**](https://leetcode.com/problems/delete-characters-to-make-fancy-string/description/) | **Delete Characters To Make Fancy String** | **3** | **13** |
| 9 | [**Link**](https://leetcode.com/problems/check-if-string-is-a-prefix-of-array/description/) | **Check if String Is Prefix Of Array** | **2** | **8** |
| 10 | [**Link**](https://leetcode.com/problems/number-of-strings-that-appear-as-substrings-in-word/description/) | **Number Of String That Appear As Substring In Word** | **1** | **4** |
| 11 | [**Link**](https://leetcode.com/problems/find-the-middle-index-in-array/description/) | **Find The Middle Index In Array** | **2** | **6** |
| 12 | [**Link**](https://leetcode.com/problems/reverse-prefix-of-word/description/) | **Reverse Prefix Of Word** | **2** | **10** |
| 13 | [**Link**](https://leetcode.com/problems/convert-1d-array-into-2d-array/description/) | **Convert 1D Array Into 2D Array** | **2** | **8** |
| 14 | [**Link**](https://leetcode.com/problems/count-special-quadruplets/description/) | **Count Special Quadruplets** | **4** | **12** |
| 15 | [**Link**](https://leetcode.com/problems/final-value-of-variable-after-performing-operations/description/) | **Final Value Of Variable After Performing Operations** | **2** | **4** |
| 16 | [**Link**](https://leetcode.com/problems/maximum-difference-between-increasing-elements/description/) | **Maximum Difference Between Increasing Elements** | **6** | **15** |
| 17 | [**Link**](https://leetcode.com/problems/minimum-moves-to-convert-string/description/) | **Minimum Moves To Convert String** | **2** | **10** |
| 18 | [**Link**](https://leetcode.com/problems/count-number-of-pairs-with-absolute-difference-k/description/) | **Count Number Of Pairs With Absolute Differrence K** | **5** | **12** |
| 19 | [**Link**](https://leetcode.com/problems/two-out-of-three/description/) | **Two Out Of Three** | **2** | **10** |
| 20 | [**Link**](https://leetcode.com/problems/check-if-numbers-are-ascending-in-a-sentence/description/) | **Check If Numbers Are Ascending In a Sentence** | **2** | **9** |
| 21 | [**Link**](https://leetcode.com/problems/number-of-valid-words-in-a-sentence/description/) | **Number of Valid Word In A Sentence** | **6** | **15** |
| 22 | [**Link**](https://leetcode.com/problems/kth-distinct-string-in-an-array/description/) | **Kth Distinct String in An Array** | **4** | **12** |
| 23 | [**Link**](https://leetcode.com/problems/smallest-index-with-equal-value/description/) | **Smallest Index With Equal Value** | **2** | **4** |
| 24 | [**Link**](https://leetcode.com/problems/count-common-words-with-one-occurrence/description/) | **Count Common Words With One Occurrence** | **6** | **25** |
| 25 | [**Link**](https://leetcode.com/problems/find-first-palindromic-string-in-the-array/description/) | **Find First Palindromic String In The Array** | **2** | **8** |
| 26 | [**Link**](https://leetcode.com/problems/maximum-number-of-words-found-in-sentences/description/) | **Maximum Number Of Words Found In Sentences** | **2** | **5** |
| 27 | [**Link**](https://leetcode.com/problems/a-number-after-a-double-reversal/description/) | **A Number After a Double Reversal** | **3** | **6** |
| 28 | [**Link**](https://leetcode.com/problems/capitalize-the-title/description/) | **Capitalize the Title** | **4** | **10** |
| 29 | [**Link**](https://leetcode.com/problems/sort-even-and-odd-indices-independently/description/) | **Sort Even and Odd Indices Independently** | **5** | **20** |
| 30 | [**Link**](https://leetcode.com/problems/find-target-indices-after-sorting-array/description/) | **Find Target Indices After Sorting Array** | **3** | **5** |