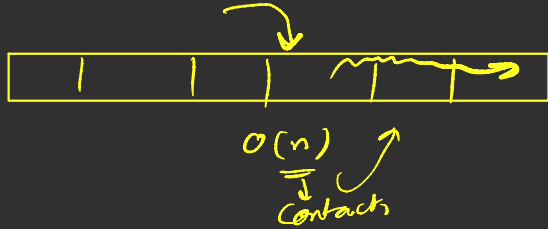L78
Trie and
some problem solving

RECAP

Nimish

Ni

What's the requirement?

Sorted Array of string

O(n)

↓
Contacts

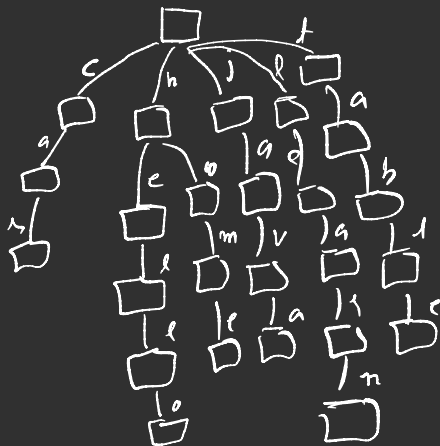What all could we use?

Set

ordered map

Trie

1. Character Trie
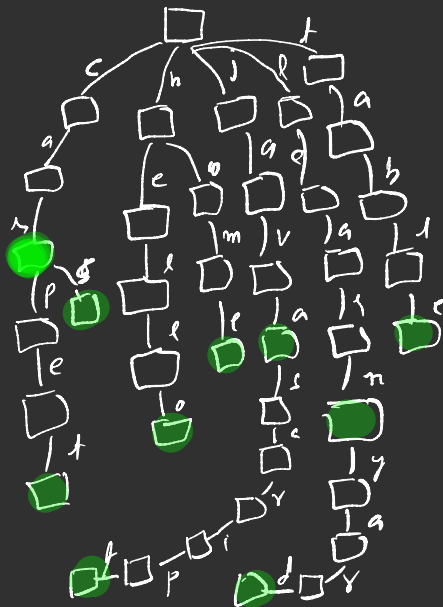2. Binary Trie

Let's see how it works?

Strings to be inserted :
1. hello
2. car
3. java
4. table
5. home
6. learn

More strings to be inserted

1. learnyard
2. carpet
3. javascript
4. car
5. cars

```
TreeNode {
    int data;
    TreeNode* left;
    TreeNode* right;
}
```

```
TrieNode {
Public:
    vector < TrieNode * > chidrn (26);
    bool flag = false
}
```

Node of a Trie

Insert

Search

Let's implement and test on a leetcode problem

Remove function

In Built Trie?

hel

Binary Trie?

Let's do 1 or 2 problems
[depending on time]

1. Search Suggestions System

Intuition

Let's implement

2. Longest Common Prefix

Intuition

Let's implement

Thank You!

Reminder: Going to the gym & observing the trainer work out can help you know the right technique, but you'll muscle up only if you lift some weights yourself.

So, PRACTICE, PRACTICE, PRACTICE!