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LeetCode Challenge + GIVEAWAY!

Description

Solution

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JavaAutocomplete

1166. Design File System

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You are asked to design a file system that allows you to create new paths and associate them with different values.

The format of a path is one or more concatenated strings of the form: / followed by one or more lowercase English letters. For example, "/leetcode" and "/leetcode/problems" are valid paths while an empty string "" and "/" are not.

Implement the `FileSystem` class:

- `bool createPath(string path, int value)` Creates a new path and associates a `value` to it if possible and returns `true`. Returns `false` if the path **already exists** or its parent path **doesn't exist**.
- `int get(string path)` Returns the value associated with path or returns `-1` if the path doesn't exist.

Example 1:

Input:
["FileSystem","createPath","get"]
[[],["/a",1],["/a"]]
Output:
[null,true,1]
Explanation:
FileSystem fileSystem = new FileSystem();

fileSystem.createPath("/a", 1); // return true
fileSystem.get("/a"); // return 1

Example 2:

Input:
["FileSystem","createPath","createPath","get","createPath"]
[[],["/leet",1],["/leet/code",2],["/leet/code"],
["/c/d",1],["/c"]]
Output:
[null,true,true,2,false,-1]
Explanation:
FileSystem fileSystem = new FileSystem();

fileSystem.createPath("/leet", 1); // return true
fileSystem.createPath("/leet/code", 2); // return true
fileSystem.get("/leet/code"); // return 2
fileSystem.createPath("/c/d", 1); // return false
because the parent path "/c" doesn't exist.
fileSystem.get("/c"); // return -1 because this path
doesn't exist.

Constraints:

- The number of calls to the two functions is less than or equal to 10^4 in total.
- $2 \leq \text{path.length} \leq 100$
- $1 \leq \text{value} \leq 10^9$

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class FileSystem {
 public FileSystem() {
 }
 public boolean createPath(String path, int value) {
 }
 public int get(String path) {
 }
}
/**
 * Your FileSystem object will be instantiated and called as such:
 * FileSystem obj = new FileSystem();
 * boolean param_1 = obj.createPath(path,value);
 * int param_2 = obj.get(path);
 */

Problems

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