📄 Description   📖 Editorial   ⚗ Solutions   🕘 Submissions   🐞 Debugger ✕

1472. Design Browser History

Medium   ◎ Topics   🏢 Companies   ♡ Hint

You have a **browser** of one tab where you start on the `homepage` and you can visit another `url`, get back in the history number of `steps`

Implement the `BrowserHistory` class:

- `BrowserHistory(string homepage)` Initializes the object with the `homepage` of the browser.

- `void visit(string url)` Visits `url` from the current page. It clears up all the forward history.

- `string back(int steps)` Move `steps` back in history. If you can only return `x` steps in the history and `steps > x`, you will return only

- `string forward(int steps)` Move `steps` forward in history. If you can only forward `x` steps in the history and `steps > x`, you will fo

Example:

```
Input:
["BrowserHistory","visit","visit","visit","back","back","forward","visit","forward","back","back"]
[["leetcode.com"],["google.com"],["facebook.com"],["youtube.com"],[1],[1],[1],["linkedin.com"],[2],[
Output:
[null,null,null,null,"facebook.com","google.com","facebook.com",null,"linkedin.com","google.com","le

Explanation:
BrowserHistory browserHistory = new BrowserHistory("leetcode.com");
browserHistory.visit("google.com");        // You are in "leetcode.com". Visit "google.com"
browserHistory.visit("facebook.com");      // You are in "google.com". Visit "facebook.com"
browserHistory.visit("youtube.com");       // You are in "facebook.com". Visit "youtube.com"
browserHistory.back(1);                    // You are in "youtube.com", move back to "facebook.com" r
browserHistory.back(1);                    // You are in "facebook.com", move back to "google.com" re
browserHistory.forward(1);                 // You are in "google.com", move forward to "facebook.com"
browserHistory.visit("linkedin.com");      // You are in "facebook.com". Visit "linkedin.com"
browserHistory.forward(2);                 // You are in "linkedin.com", you cannot move forward any
browserHistory.back(2);                    // You are in "linkedin.com", move back two steps to "face
browserHistory.back(7);                    // You are in "google.com", you can move back only one ste
```

Constraints:

- `1 <= homepage.length <= 20`

- `1 <= url.length <= 20`

- `1 <= steps <= 100`

- `homepage` and `url` consist of '.' or lower case English letters.

- At most `5000` calls will be made to `visit`, `back`, and `forward`.

Seen this question in a real interview before?   1/4

Yes   No

Accepted **217K**   Submissions **280K**   Acceptance Rate **77.5%**

🏷 Topics

🏢 Companies

💡 Hint 1

💡 Hint 2