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387. First Unique Character in a String

Easy 👍 7528 👎 253 ♡ Add to List ⬆ Share

Given a string `s`, *find the first non-repeating character in it and return its index*. If it does not exist, return `-1`.

Example 1:

```
Input: s = "leetcode"
Output: 0
```

Example 2:

```
Input: s = "loveleetcode"
Output: 2
```

Example 3:

```
Input: s = "aabb"
Output: -1
```

Constraints:

- $1 <= s.length <= 10^5$
- `s` consists of only lowercase English letters.

Accepted 1,366,076   Submissions 2,294,578

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```cpp
class Solution {
public:
    int firstUniqChar(string s) {
        const int INF=1000000000;
        int idx[26];
        bool valid[26];
        for(int i=0; i<26; i++){
            idx[i]=INF;
            valid[i]=true;
        }
        for(int i=0; i<s.length(); i++){
            int c=s[i]-'a';
            if(valid[c]){
                if(idx[c]>=INF) idx[c]=i;
                else valid[c]=false;
            }
        }

        int ans=INF;
        for(int i=0; i<26; i++)
            if(valid[i] && ans>idx[i]) ans=idx[i];
        if(ans>=INF) ans=-1;
        return ans;
    }
};
```

NEW

Your previous code was restored from your local storage. Reset to default