

535. Encode and Decode TinyURL

Medium  Topics  Companies

Note: This is a companion problem to the [System Design](#) problem: [Design TinyURL](#).
TinyURL is a URL shortening service where you enter a URL such as `https://leetcode.com/problems/design-tinyurl` and it returns a short URL.
There is no restriction on how your encode/decode algorithm should work. You just need to ensure that a URL can be encoded to a tiny URL and the tiny URL can be decoded to the original URL.
Implement the `Solution` class:

- `Solution()` Initializes the object of the system.
- `String encode(String longUrl)` Returns a tiny URL for the given `longUrl`.
- `String decode(String shortUrl)` Returns the original long URL for the given `shortUrl`. It is guaranteed that the given `shortUrl` was encoded by the same object.

Example 1:

```
Input: url = "https://leetcode.com/problems/design-tinyurl"
Output: "https://leetcode.com/problems/design-tinyurl"

Explanation:
Solution obj = new Solution();
string tiny = obj.encode(url); // returns the encoded tiny url.
string ans = obj.decode(tiny); // returns the original url after decoding it.
```

Constraints:

- $1 \leq \text{url.length} \leq 10^4$
- `url` is guaranteed to be a valid URL.

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

Yes No

Accepted 250.8K Submissions 290.7K Acceptance Rate 86.3%

 Topics

 Companies

 Discussion (15)