

2802. Find The K-th Lucky Number

Premium

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Hint

We know that 4 and 7 are **lucky** digits. Also, a number is called **lucky** if it contains **only** lucky digits.

You are given an integer `k`, return *the `k`th lucky number represented as a **string**.*

Example 1:

Input: `k = 4`

Output: `"47"`

Explanation: The first lucky number is 4, the second one is 7, the third one is 44 and the fourth one is 47.

Example 2:

Input: `k = 10`

Output: `"477"`

Explanation: Here are lucky numbers sorted in increasing order:
4, 7, 44, 47, 74, 77, 444, 447, 474, 477. So the 10th lucky number is 477.

Example 3:

Input: `k = 1000`

Output: `"777747447"`

Explanation: It can be shown that the 1000th lucky number is 777747447.

Constraints:

- `1 <= k <= 109`

Seen this question in a real interview before? 1/5

Yes No

Accepted 4.2K Submissions 5.4K Acceptance Rate 78.7%

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