

String<>String

RunSubmit

880

DescriptionAcceptedEditorialSubmissionsSolutions

2802. Find The K-th Lucky NumberPremium

Solved

MediumTopicsHint

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<sup>th</sup> 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 10<sup>th</sup> lucky number is 477.

Example 3:

Input: k = 1000  
Output: "777747447"  
Explanation: It can be shown that the 1000<sup>th</sup> lucky number is 777747447.

Constraints:

- 1 <= k <= 10<sup>5</sup>

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

YesNo

Accepted 914 | Submissions 1.3K | Acceptance Rate 71.8%

Topics

Hint 1

Hint 2

Hint 3

Hint 4

Hint 5

Discussion (2)

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</> Code

Python3Auto

```
1 class Solution:
2     def kthLuckyNumber(self, k: int) -> str:
3
4         return bin(k+1)[3:].replace('0','4').replace('1','7')
5
```

Saved

Ln 5, Col 9

TestcaseTest Result

Stdout

0b101

Output

"47"

Expected

"47"

Contribute a testcase