M Gmail

GEN DIGITIN <ahmedturkey454641@gmail.com>

[Daily Problem] Optimized List Sum
1 message

Daily Interview Pro <daily@techseries.dev>   Sat, Sep 5, 2020 at 4:57 PM
To: ahmedturkey454641@gmail.com

Hi, here's your problem today. This problem was recently asked by Apple:

Create a class that initializes with a list of numbers and has one method called `sum`. `sum` should take in two parameters, `start_idx` and `end_idx` and return the sum of the list from `start_idx` (inclusive) to end_idx` (exclusive).

You should optimize for the `sum` method.

Here's the class:

```python
class ListFastSum:
    def __init__(self, nums):
        self.nums = nums

    def sum(self, start_idx, end_idx):
        # Fill this in.

print(ListFastSum([1, 2, 3, 4, 5, 6, 7]).sum(2, 5))
# 12 because 3 + 4 + 5 = 12
```

Upgrade to PRO for in-depth solutions with time-space complexity analysis.

» Ready to fast-track your career? Join the premiere tech interview training program Tech Interview Pro.
» For more, join me at CoderPro for 100+ whiteboard coding sessions: https://coderpro.com/ (20% off now, limited time)

(You've reached the end of the problems for now, this is a random question. Visit CoderPro for more practice!)

Have a great day!
Daily Interview Pro