DAY 48

INTERVIEW BIT PROBLEMS :

1. Largest Continuous Sequence Zero Sum

Find the largest continuous sequence in a array which sums to zero.
Example:

Input: {1 ,2 ,-2 ,4 ,-4}
Output: {2 ,-2 ,4 ,-4}

NOTE : If there are multiple correct answers, return the sequence which occurs first in the array.

CODE :

PYTHON

```python
class Solution:
    # @param A : list of integers
    # @return a list of integers
    def lszero(self, A):
        hash_map = {0: 0}
        curSum = 0
        start=-1
        end=-1
        for i in range(len(A)):
            curSum += A[i]
            if curSum not in hash_map:
                hash_map[curSum] = i + 1
            elif i - hash_map[curSum] > end - start or start == -1:
                start = hash_map[curSum]
                end = i
        return A[start:end+1]
```