

Interview1:

1. Write a function to find whether a number is happy number or not.

Ans- Use Hashset

2. You are given an array of millions of float numbers, find all the pairs with sum $\leq x$ (float).

Numbers can be positive or negative or zero.

Ans- sort the array $O(n \log n)$ then apply the logic in $O(n)$.

3. discussion on linked list

Interview 2:

1. Discussion on projects and work experience.

2. Given an array, find the number of subarrays with sum equal to 0. Numbers can be positive or negative or zero.

example: 3 -2 2 -3 (return count=2)

what can be the maximum value of count.

Ans- use Hashmap

you can use extra space. But time complexity should be less than $O(n^2)$.

3. discussion on hashmap.