Non-Repeating Element

Find the first non-repeating element in a given array arr of N integers.

Input : arr[] = {-1, 2, -1, 3, 2}   **Input : arr[] = {5, -1, 2, -1, 3, 2}**

Ans. = 3   **Ans. = 5**

Hello world

☐   **Non-Repeating Element**

☐   **Find the first non-repeating element in a given array arr of N integers.**

☐   **Input : arr[] = {-1, 2, -1, 3, 2}**

Naive Solution

0	1	2	4								m-1
0	0	0	0								

Now, size of Array = ?
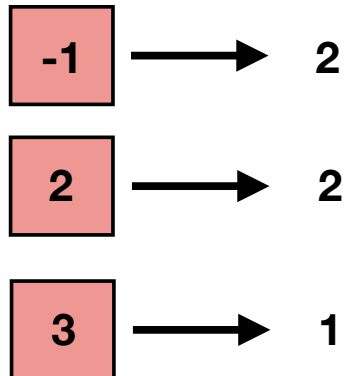
$-10^{16} <= A_i <= 10^{16}$

Hello world

■ **Non-Repeating Element**

■ **Find the first non-repeating element in a given array arr of N integers.**

■ **Input : arr[] = {-1, 2, -1, 3, 2}**

Now we traverse Array again

Hashing Solution: **unordered_map**

| -1 | ⟶ | 2 |

| 2 | ⟶ | 2 |

| 3 | ⟶ | 1 |

Hello world