

first Non-Repeating character

Index

Output = 2

|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| 0 | 1 | 2 | 3 | 4 | 5 | 6 |
| P | R | I | Y | A | P | R |

Hashtable

key — character

unique (Non-repeating)

value — frequency of each character

Approach

Hashtable

| key | value          |
|-----|----------------|
| P   | <del>1</del> 2 |
| R   | <del>1</del> 2 |
| I   | 1              |
| Y   | 1              |
| A   | 1              |

Output = 2

## Time & Space complexity

$$\left\{ \begin{array}{l} \underline{\text{Time complexity} - O(n)} \\ \underline{\text{Space complexity} - O(n)} \end{array} \right.$$