

Tips: If range $\Rightarrow [0, N]$
 \rightarrow every element will be at the index = value
 If range $\Rightarrow [1, N]$
 \rightarrow every element will be at index = ~~value~~ ^{value - 1}

Q. 448. Find all Numbers Disappeared in an Array.

$N=8$ [4, 3, 2, 7, 8, 2, 3, 1]
 0 1 2 3 4 5 6 7
 swap

(7), 3, 2, 4, 8, 2, 3, 1
 swap

(3), 3, 2, 4, 8, 2, 7, 1
 swap

(2), 3, 3, 4, 8, 2, 7, 1
 swap

(3), 2, 3, 4, 8, 2, 7, 1 ignore

(3), (2), (3), (4), (8), 2, 7, 1
 swap

3, 2, 3, 4, (1), 2, 7, 8
 swap

1, 2, 3, 4, (3), (2), (7), (8) ignore all.

Ans

5, 6 are missing

Ans - 1, 2, 3, 4, 3, 2, 7, 8
 0 1 2 3 4 5 6 7

Incorrect index will be the answers.