Initialization

Initialize hashmap

target = 9

nums | 7 | 13 | 11 | 2 | 8 |
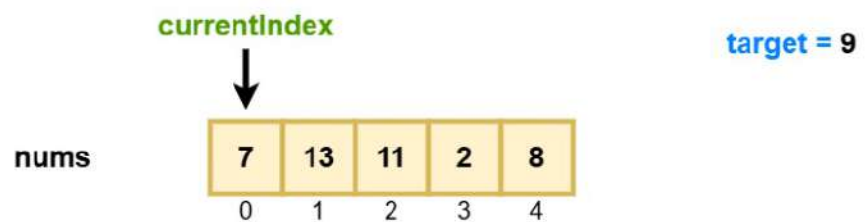   0   1   2   3   4

numberIndexMap

Calculate number needed to reach target

Iteration 1

numberNeeded = 2 is not present in hashmap.

So, add the current number along with its index to hashmap and continue to next iteration

currentIndex

target = 9

nums

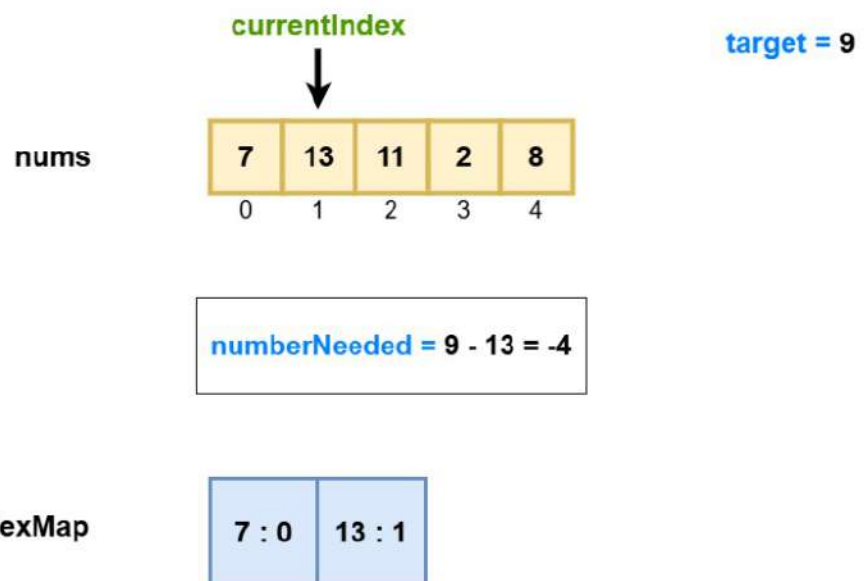| 7	13	11	2	8
0	1	2	3	4

numberNeeded = target - current number = 9 - 7 = 2

numberIndexMap

7 : 0

numberNeeded = -4 is not present in hashmap.

So, add the current number along with its index to hashmap and continue to next iteration

Iteration 2

currentIndex

target = 9

nums

7	13	11	2	8
0	1	2	3	4

numberNeeded = 9 - 13 = -4

numberIndexMap

7 : 0	13 : 1

numberNeeded = -2 is not present in
hashmap.

Iteration 3

So, add the current number along
with its index to hashmap and
continue to next iteration

currentIndex

target = 9

nums

7	13	11	2	8
0	1	2	3	4

numberNeeded = 9 - 11 = -2

numberIndexMap

7 : 0	13 : 1	11 : 2
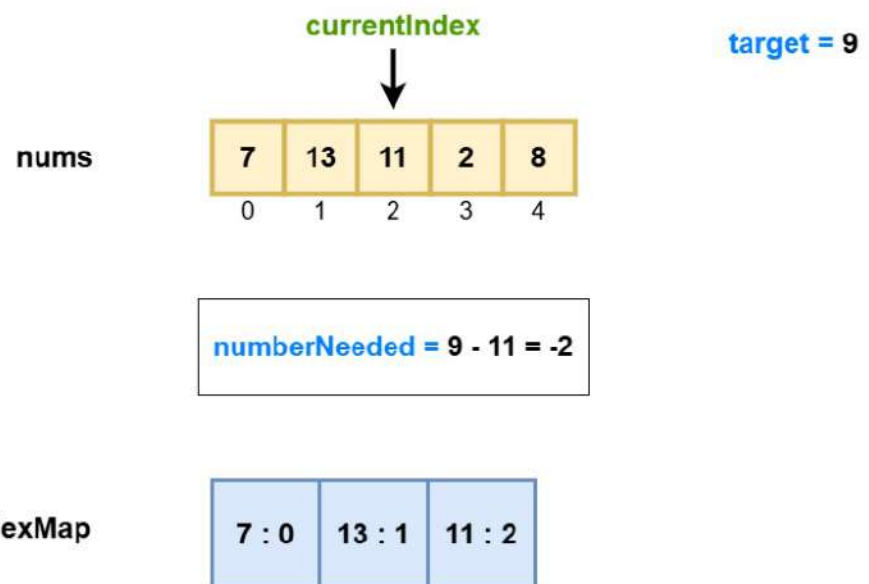
Iteration 4

numberNeeded = 7 is present in hashmap.

Therefore return indices of current number and numberNeeded as result

currentIndex

target = 9

nums

7	13	11	2	8
0	1	2	3	4

numberNeeded = 9 - 2 = 7

Result = 0, 3

numberIndexMap

7 : 0	13 : 1	11 : 2