Problems - 01

ADD ONE TO THE NUMBER

#Lockdown continues ….

#Stay Home

Hello world

Problems - 01

ADD ONE TO THE NUMBER

- **Given a non-negative number represented as an array of digits,**
- **Add 1 to the number (increment the number represented by the digits).**
- **The digits are stored such that the most significant digit is at the head of the list.**

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Add One To The Number

- **Examples :-**

  If the vector has `[1, 2, 3]`

  The returned vector should be `[1, 2, 4]`

  as 123 + 1 = 124.

- **Examples :-**

  If the vector has `[4, 2, 9]`

  The returned vector should be `[4, 3, 0]`

  as 429 + 1 = 430.

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Add One To The Number

Logic : -

Case 1 : When First place value is less than 9

Array = [1, 2, 3] ⟶ Array = [1, 2, 4]

Array = [1, 2, 8] ⟶ Array = [1, 2, 9]

Case 2 : When First place value is equal than 9

Array = [1, 2, 9] ⟶ Array = [1, 3, 0]

Case 3 : When First place value is equal than 9

Array = [9, 9, 9] ⟶ Array = [1, 0, 0, 0]

Case 4 : When starting digits contains Zeros 0

Array = [0, 2, 3, 4, 5] ⟶ Array = [2, 3, 4, 6]

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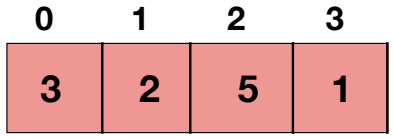
Add One To The Number

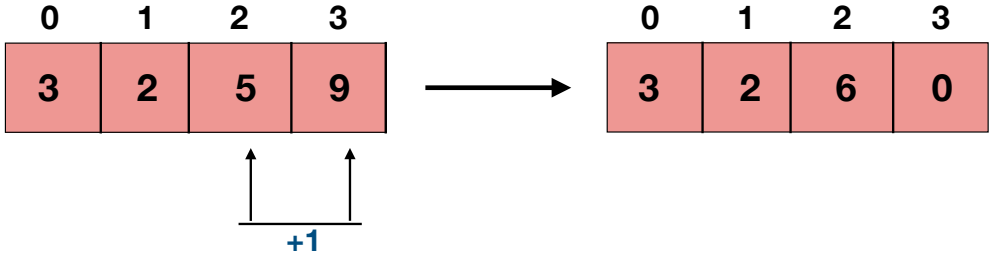
I will use Vector In Place of Array

- **Given : -**

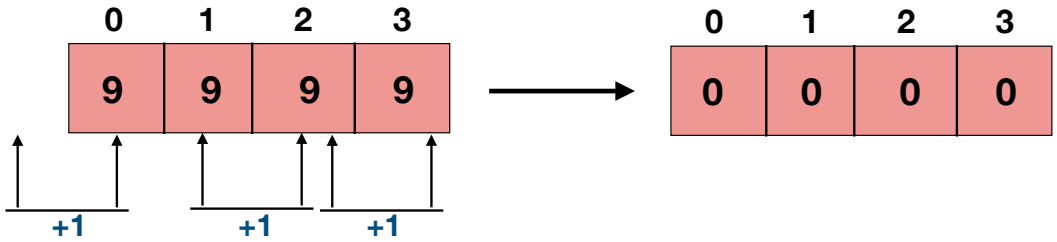
Size of Array = n & the Input of Array



- **Check Case 1 :** → **Then we will Increase the Last Index Value**
- **Check Case 2 :** → **If There is last value is 9 then increment it by 1**



- **Check Case 3 :** → **If There is last value is 9 then increment it by 1**



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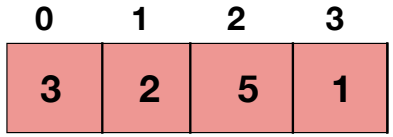
Add One To The Number

I will use Vector In Place of Array

Given : -

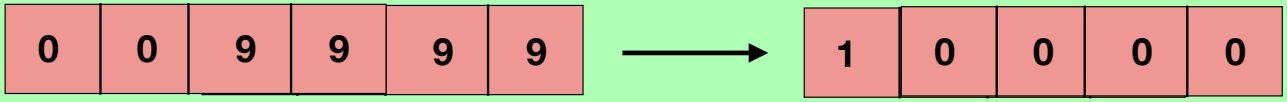
Size of Array = n & the Input of Array

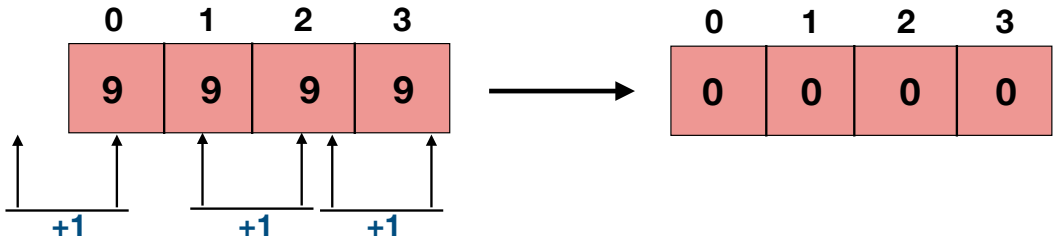


- Check Case 1 : → Then we will Increase the Last Index Value
- Cl
- Check Case 2 :

Important Note :-

When we will initialise the Vector then Initially we push 0 in the starting





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" If you feel any problem then comments in my video
I will reply as soon as possible "

- Prince Agarwal

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