Solve Array

$$\frac{n}{10} = 5$$
nums 10 11 12 13 14
indexes 2 1 4 0 3

Take ${\bf n}$ as an integer input representing size of both array.

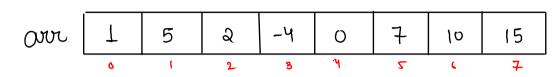
Take **n** integer inputs for humbers array and Then take n integer inputs for array indexes where each integer input can be from **0 till numbers.length**.

Then create an array of size n and name it target array. From left to right read numbers[i] and index[i], and in the target array at the index index[i], insert the value numbers[i].

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
   int n = scn.nextInt();
   int[] nums = new int[n];
   for (int i = 0; i < n; i++) {
       nums[i] = scn.nextInt();
   }
   int[] indexes = new int[n];
   for (int i = 0; i < n; i++) {
        indexes[i] = scn.nextInt();
    solve(nums, indexes, n);
public static void solve(int[] nums, int[] indexes, int n) {
    int[] target = new int[n];
   // main logic
    for (int i = 0; i < n; i++) {
       int val = nums[i];
       int idx = indexes[i];
       target[idx] = val;
    // printing answer
   for (int i = 0; i < n; i++) {
        System.out.print(target[i] + " ");
```

Update query 1

$$U = 8$$



traverse from left index to ught madex and update all current values with 're' variable

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
   int n = scn.nextInt();
   int[] arr = new int[n];
    for (int i = 0; i < n; i++) {
        arr[i] = scn.nextInt();
   int left = scn.nextInt();
   int right = scn.nextInt();
   int x = scn.nextInt();
   updateQuery(n, arr, left, right, x);
}
public static void updateQuery(int n, int[] arr, int left, int right, int x) {
    // main logic
   for (int i = left; i <= right; i++) {</pre>
        arr[i] = x;
// printing
    for (int i = 0; i < n; i++) {
        System.out.print(arr[i] + " ");
}
```

Add One

$$V = 8$$

15220757

$$12345 \rightarrow 12346$$

$$3254(4) \rightarrow 32545$$

$$3) \qquad |2349 \longrightarrow 12350$$

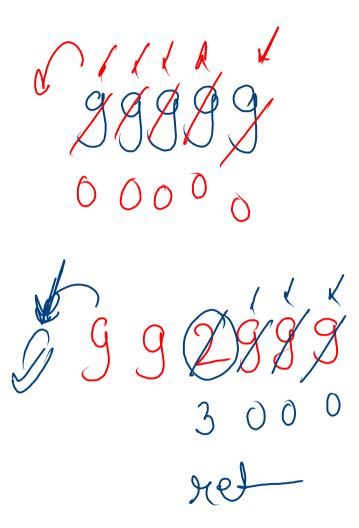
2)

$$9999 \longrightarrow 10000$$

Note:-

troverse n-1 to 0, if convent element is 9 then update it with zero else, increment coverent element by I and end the process.

10000



```
code
```

```
public static void main(String[] args) {
     Scanner scn = new Scanner(System.in);
     int n = scn.nextInt();
     int[] arr = new int[n];
     for (int i = 0; i < n; i++) {
          arr[i] = scn.nextInt();
     }
     int[] ans = addOne(arr, n);
     for (int i = 0; i < ans.length; i++) {
          System.out.print(ans[i] + " ");
    }
// main logic
public static int[] addOne(int[] arr, int n) {
  for (int i = n - 1; i >= 0; i--) {
    if (arr[i] < 9 ) { // 0 to 8
        arr[i] += 1;
        return arr;
    }
    if (arr[i] == 9){
        arr[i] = 0;
}</pre>
     int[] ans = new int[n + 1];
     ans[0] = 1;
     return ans;
```