Oue Add one

our 5 3 9 2 9 9

possibilities ⇒ 0 to 9

```
num = 539299
num + 1 = ??
539299
111 + 1
539300
```

```
approch: - 1) Iterate from last to start

- 2) if val is b/w 0 to 8

2.1) add 1 in the idex

2.2) Stop the for (return)
```

3) if vol is 9 then

3.1) update value to 0

3.2) Check for previous index

```
00000
```

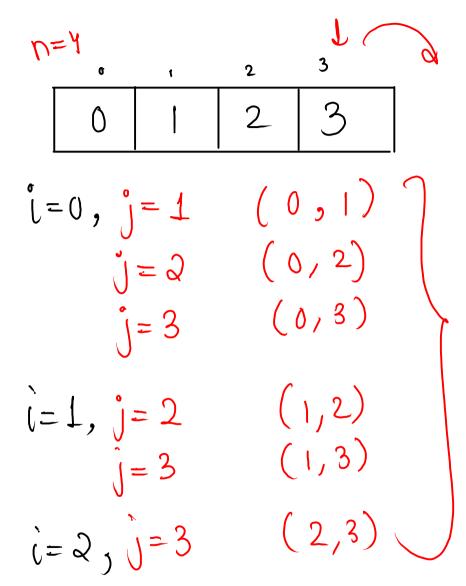
```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int n = scn.nextInt();
    int[] arr = new int[n];
    for (int i = 0; i < n; i++) {
        arr[i] = scn.nextInt();
    int[] ans = addOne(arr, n);
    for (int i = 0; i < ans.length; i++) {
        System.out.print(ans[i] + " ");
                                                        3
// main logic
public static int[] addOne(int[] arr, int n) {
  分for (int i = n - 1; i >= 0; i--) {
       if ( arr[i] < 9 ) {
    \rightarrow arr[i] = 0;
  7/int[] answer = new int[n + 1];
    answer[0] = 1;
    return answer;
```

## **Product of Elements Except Itself**

$$000$$
  $2$   $5. 3  $0.3 = 3$   
 $i=0$ ,  $0.01 = 5 * 3 = 15$   
 $i=1$ ,  $0.01 = 2 * 3 = 6$   
 $i=2$ ,  $0.01 = 2 * 5 = 10$   
 $i=0$ ,  $i=$$ 

TLE:- Time limit exceed

```
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();
     solve(arr, n);
public static void solve(int[] arr, int n) {
    for (int i = 0; i < n - 1; i++) {</pre>
        for (int j = i + 1; j < n; j++) {
    System.out.println(arr[i] + " " + arr[j]);
```



```
n= 9
public static int[] addOne(int[] arr, int n) {
  for (int i = n - 1; i >= 0; i--) {
  if ( arr[i] < 9 ) {
    arr[i] = arr[i] + 1;
    return arr;
     → arr[i] = 0;
                                                       i=3, 9<9 fedse
int[] answer = new int[n + 1];
                                                     i=2, 9<9 false
i=1, 9<9 false
i=0, 9<9 false
\rightarrow answer[0] = 1;
    return answer;
                        answer
                                       O
```

```
public static int[] addOne(int[] arr, int n) {
   for (int i = n - 1; i >= 0; i--) {
   if ( arr[i] < 9 ) {
    arr[i] = arr[i] + 1;
    return arr;
   -int[] answer = new int[n + 1];
    answer[0] = 1;
    return answer;
```

