🡪LEETCODE PROBLEM :31 (NEXT PERMUTATION)

APPROACH:

IF THE ARRAY IS IN DESCENDING ORER SIMPLY REVERSE THE ARRAY AND GET THE NEXT PERMUTATION.

* If a break point is found:

ELSE START FROM THE BACK OF THE ARRAY, COMPARING ‘i’ with ‘i+1’ IF i IS GREATER THAN i+1 THEN CONTINUE ELSE TAKE THE INDEX OF i(breaking point index) AS IT WILL BE THE BREAKING POINT.

Next again iterate the array from the reverse order finding an element just greater then the break point element. Note down its index position.

Next just swap the break point element with the element that is just greater than it.

After swapping , all the remaining elements in the array to the right of the break point need to be reverse.

After this just return the array.

* If a break point is not found:

In this case we just need to reverse the array and return the array as the output.