Prev and Next permutations:

Prev Permutation: Lexicographically largest permutation of the given array which is less than the given arrar.

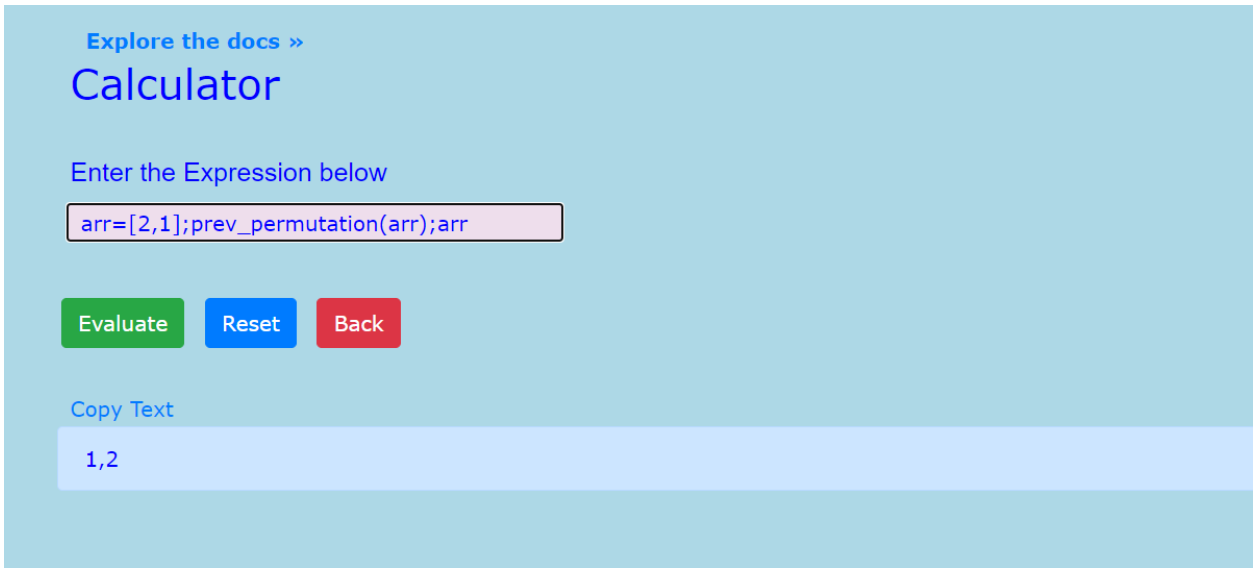
Next Permutation: Lexicographically smallest permutation of the array which is larger than the given array.

prev_permutations function changes the array to its prev permutation and returns 0 if the final array is sorted.

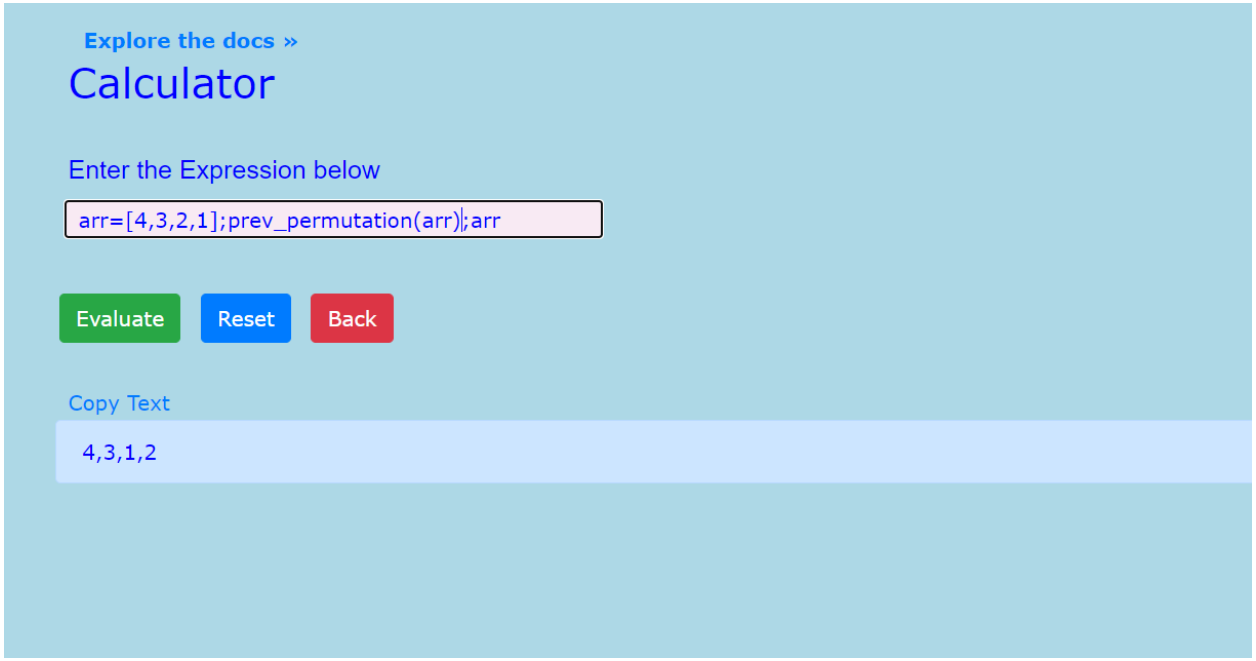
The prev permutation generates the array until it becomes sorted.

Next permutation permutes the array until it becomes reverse sorted.

Using it in calculator:
Initialize the array
Call the function
Write the name of arr



The previous permutation of [2,1] is [1,2] because among all permutations of [2,1] [1,2] is largest and is smaller than [2,1]



The previous permutation of [4,3,2,1] is 4 3 1 2