|  | Given an integer array nums, find the subarray with the largest sum, and return *its sum*.  Example: Input: nums = [-2,1,-3,4,-1,2,1,-5,4] Output: 6 |
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|  | A chocolate factory is packing chocolates into the packets. The chocolate packets here represent an array of N number of integer values. The task is to find the empty packets (0) of chocolate and push it to the end of the conveyor belt (array). 1<=N<=10^5  Example: Input: N=8 and A=[4,5,0,1,9,0,5,0]. Output: A=[4,5,1,9,5,0,0,0] |
|  | Given an array *‘A’* of size *‘N’*-1 with elements of range 1 to ‘n’. The array does not contain any duplicates. Your task is to find the missing number.  Example: Input: A = [1, 2, 4, 5], N = 5 Output: 3 |
|  | Given an array of integers numbers and an integer target, return indices of the two numbers such that they add up to target. You may assume that each input would have exactly one solution, and you may not use the same element twice. You can return the answer in any order.  Example: Input: Arr = [2,7,11,15], target = 9 Output: [0,1] |
|  | Given an sorted integer array 'arr' of size 'n', remove the duplicates from the array such that each element appears only once. Return the length of this new array.  Example: Input: 'n' = 5, 'arr' = [1 2 2 2 3]. Output: 3 |
|  | Given an array containing integers 0, 1, and 2 represent colors red, white, and blue, respectively, sort the array in-place such that objects of the same color are adjacent, and the colors appear in the order red, white, and blue.  Example: Input: nums = [2,0,2,1,1,0] Output: [0,0,1,1,2,2] |
|  | Given an NxN 2D matrix representing an image, rotate the image by 90 degrees (clockwise). You have to rotate the image [in-place](https://en.wikipedia.org/wiki/In-place_algorithm), which means you have to modify the input 2D matrix directly.  Example: Input: [[1,2,3],[4,5,6],[7,8,9]] Output: [[7,4,1],[8,5,2],[9,6,3]] |
|  | Write a java program to check balance of parenthesis over {,},[,],(,) Example: Input: {[()]} Output: Yes, Input: {[(]])}}}} Output: No |
|  | Jack loves Sundays as he gets to play and cycle with his friends. Given that a month can start on any day of the week, determine how many Sundays Jack will have in N days  Example: Input: Monday (start day of month), N=13 Output : 2 |
|  | Given an integer array Arr of size N the task is to find the count of elements whose value is greater than all of its prior elements.  Example: Input: Arr[]={7,4,8,2,9} Output: 3 |