

Assignment 4 – Arrays

1. Given two arrays return their intersection.
2. Given an array of integers A and an integer x. Find pairs of elements in A which sum to x.
3. Given an array, reverse it. You can't create another array.
4. Given an array of integers A and an integer x. Find triplets of elements in A which sum to x.
5. Given $2N+1$ numbers out of which N are duplicate find the non-duplicate number.
6. You are given with an array containing only 0's and 1's. Write a function to sort this array. Do it in one pass, this means you can't first find the count of 0's and 1's in one pass and update the array in second pass.
7. What if the array has 0's, 1's and 2's. Find another solution, which scans the array once.
8. You are given two arrays. Find the sum of the two arrays and put the result in another array. e.g. if you are given [1,2,4] and [4,5,6] the output should be [5,8,0].