



Assignment 3 – Arrays

1. Convert a decimal number to binary using array.
2. Find product of all numbers in an array.
3. Reverse an array. Same array should be reversed.
4. Print sum of all positive and negative numbers separately in an array.
5. Given an array of integers A and an integer x. Find pairs of elements in A, which sum to x.
6. Find the duplicate number in an array of size n with numbers from 0 to n-2. Each number is present at least once.
7. In an array that contains duplicates, find the first non repeating element.
E.g – input – [5,2,6,7,5,6,9] and output - 2
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] then output should be [5,8,0].
9. You are given with an array containing only 0's and 1's. Write a function to sort this array. Find a solution which scans the array only once.
10. Bubble Sort