Sorting

Subject: CSW2(CSE3141)
Session: March 2023 to Aug 2023
Branch: CSE&CSIT
Section : All

Q1. Given an array containing 0s and 1s. Write an algorithms to sort array so that 0s come first followed by 1s. Also find the minimum number of swaps required to sort the array.

Q2. Given an array containing $0s$, $1s$ and $2s$. Write an algorithms to sort array so that 0s come first followed by 1s and then 2s in the end.

Q4. Write a program to find minimum swaps required to bring all elements less than given value together at the start of array.

Q5. Given two array, sort first array according to the order defined in second array.

Q6. Given an array of even and odd numbers, write a program to separate even numbers from the odd numbers.

Q7. Element left after reductions. Given an array of positive elements. You need to perform reduction operation. In each reduction operation smallest positive element value is picked and all the elements are subtracted by that value. You need to print the number of elements left after each reduction process.

Q8. Given two sorted arrays. Sort the elements of these arrays so that first half of sorted elements will lie in first array and second half lies in second array. Extra space allowed is $O(1)$

Q9. Given two unsorted arrays, find union and intersection of these two

Q10. In given integer list that support three functions findMin, findMax, findMedian. Sort the array. arrays..