

DATA STRUCTURES & ALGORITHMS

PRACTICE

Week 2 – Sort

Lecture:
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PRACTICE 1

Quicksort (pivot = last)

PRACTICE 2

Quicksort (pivot = mid, no recursion)

PRACTICE 3

MergeSort

PRACTICE 4

CountingSort

PRACTICE 5

CountingSort (negative number)

PRACTICE 6

Given k sorted arrays of size n each, merge them and print the sorted output.

Example:

Input:

k = 3, n = 4

arr[][] = { {1, 3, 5, 7}, {2, 4, 6, 8}, {0, 9, 10, 11}} ;

Output:

0 1 2 3 4 5 6 7 8 9 10 11