# Assignment 2

1. Implement in C/C++ the Divide and Conquer Algorithm for counting the number of inversions of an array.
   1. First check whether your program counts 0 inversions for a sorted array and *n*(*n −* 1) for a reverse sorted array;

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* 1. Test your program correctness with “tstcase1.txt”;
  2. Find the number of inversions for the integers in the file “tstcase2.txt”. This file contains numbers between 1 and 100000 in some order with no repetition.

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