

StanfordOnline CSX0003

Algorithms: Design and Analysis, Part 1

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Programming Question 1

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Programming Assignment due Jul 22, 2023 16:56 EDT

Programming Question 1

1 point possible (graded)

Download the text file here. (Right click and select "Save As...")

This file contains all of the 100,000 integers between 1 and 100,000 (inclusive) i no integer repeated.

Your task is to compute the number of inversions in the file given, where the $m{i^{th}}$ indicates the i^{th} entry of an array.

Because of the large size of this array, you should implement the fast divide-and algorithm covered in the video lectures.

The numeric answer for the given input file should be typed in the space below.

So if your answer is 1198233847, then just type 1198233847 in the space provide spaces or commas or any other punctuation marks. You can make up to 5 attem

(We do not require you to submit your code, so feel free to use any programming want --- just type the final numeric answer in the following space.)

[TIP: before submitting, first test the correctness of your program on some sma



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