

Quicksort

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Abstract

In this lab you will implement an in-place version of Quicksort.

Implement an in-place quicksort algorithm which sorts an array of generic, comparable objects. **Make the following enhancement:**

- If the array or subarray has 64 or fewer elements, sort using insertion sort. This means that at any stage during the quicksort, the **subarray** you are sorting has 64 or fewer items, **use insertion sort over that range of items** instead.

Test your quicksort algorithm by creating large and small arrays and sorting them.