

Java Sorting Algorithms Comparison

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Abstract

I. MOTIVATION

In order to show how an algorithm might run on a given set of hardware, and how the algorithm will perform when given large amounts of data, algorithms are analysed. Sorting algorithms sort data into a natural order. By analysing sorting algorithms, the fastest algorithm for a given problem can be determined.

II. BACKGROUND

A sorting algorithm is used to sort data with a natural order. One such sorting algorithm is insertion sort, which sorts by iterating through a list of data, taking the current position, and repositioning it into a more appropriate place in the list.

III. PROCEDURE

IV. TESTING

A. Testing Plan and Results

B. Problems Encountered

V. EXPERIMENTAL ANALYSIS

VI. CONCLUSIONS

REFERENCES

APPENDIX