

## Session 23

# Strategy 3: Divide-and-Conquer

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### Lecture Summary


#### Quicksort

1. Implementation issues
  2. Performance: why the average case needs to be investigated
  3. Characteristics of a modern quicksort
  4. Summary and conclusions
  5. Visualization walkthrough (depending on time and Internet availability)
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### Session Exercise

P16. Code and run the pseudocode from lecture slides. Compare to the version in *sortdemo.js*.

 Exercise 5.2 • 1, 2, 3, 5 ✕ 8, 9a, \*11

 Check answer for 5.2–1 by tracing your code in the debugger

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### Reading List

 5.2

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### Keywords

Fragile [sort]