

Richard C. Davis UW CSE – 12/6/2006 Lecture 24 – Profilers







Java Generics





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Profilers

- Monitors running program
- Reports detailed performance information
- See where program uses most time/space
- "90/10 rule of programs"
 - 90% of time spent in 10% of the code
 - Profilers help you find the 10% (bottlenecks)
- Warning! Profilers can be misleading!

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Basic Features

- Different profilers monitor different things
- gprof: profiler for code produced by gcc
- gprof is fairly typical and reports
- # times each function was called
- # times function "A" called function "B"
- % time spent in each function
- · Estimated based on samples
 - · Profiler periodically checks where program is CSE 303 Lecture 24
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