

Debugging and Development Tools

Debugging strategies:

- ▶ Write a little test a little.
- ▶ Unit tests.
- ▶ Reading your code.
- ▶ Logging statements.
- ▶ Code review.
- ▶ Pair programming.
- ▶ Divide and conquer.
- ▶ A debugger.

Interactive debugging session.

- ▶ Stack trace.
- ▶ Breakpoints.
- ▶ Single-stepping.

Other development tools:

- ▶ Version control.
- ▶ Bug tracking.
- ▶ Testing framework.
- ▶ Automated build.
- ▶ Continuous integration.
- ▶ Logging framework.
- ▶ Static analysis.
- ▶ Memory leak detection.
- ▶ Profiling tools.