

Java I/O

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See [csse2002¹](#) for course logistics.

Today's outline

1. Streams (`java.io`, since Java 1.0)
2. Readers & Writers (`java.io`, since Java 1.1)
3. Scanner (`java.util`, since Java 1.5)
4. New I/O (`java.nio.file`, since Java 1.7)

All content is in `java-io2`.

Applied class

See [week8-tutorial-class-invariants³](#) — protecting class invariants (a continuation of [java-specification⁴](#) and [java-encapsulation⁵](#) from earlier weeks).

¹[courses/csse2002/csse2002.pdf](#)

²[courses/csse2002/java-io.pdf](#)

³[courses/csse2002/week8-tutorial-class-invariants.pdf](#)

⁴[courses/csse2002/java-specification.pdf](#)

⁵[courses/csse2002/java-encapsulation.pdf](#)

Practical

See [week8-lab-junit-testing⁶](#) — Test Driven Development with JUnit, extending [java-junit⁷](#) from Week 5.

⁶[courses/csse2002/week8-lab-junit-testing.pdf](#)

⁷[courses/csse2002/java-junit.pdf](#)