

File I/O

CSSE 221

Fundamentals of Software Development Honors

Rose-Hulman Institute of Technology

Announcements

- CSSE Department Picnic
 - Saturday, 4-6 pm
 - Hawthorn Park is a short walk behind campus
 - Please RSVP by tomorrow!

- Final exam
 - Monday, November 15,
 - 6:00 pm
 - In this and next room

File I/O: Key Pieces

- Input
 - Scanner in = new **Scanner**(new **File**("data.txt"));
 - String word = in.**next**();
- Output
 - PrintWriter out = new **PrintWriter**("data.txt");
 - out.**println**("Here's some data!");
- Be kind to your OS: **close()** all files
- Letting users choose: **JFileChooser** and File
- Expect the unexpected: Exception handling

IO Exceptions

- If a path or file does not exist we'd get a IO exception error
 - This is a checked exception. So...
 - Need to surround the call file method with a try/catch block. Or...
- Some common exceptions
 - **IOException**
 - Signals that an I/O exception of some sort has occurred.
 - **FileNotFoundException**
 - Signals that an attempt to open the file denoted by a specified pathname has failed.
 - **EOFException**
 - Signals that an end of file or end of stream has been reached unexpectedly during input.



Demo