

# File I/O

---

CSSE 221

Fundamentals of Software Development Honors  
Rose-Hulman Institute of Technology

# 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 file access 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