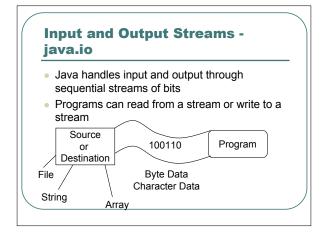
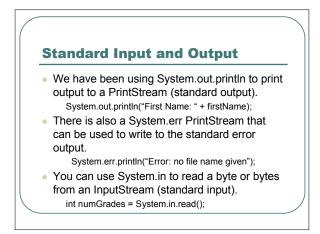
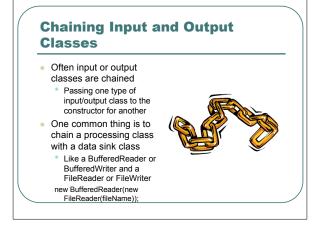


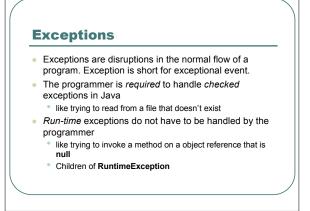
Writing to a Text File

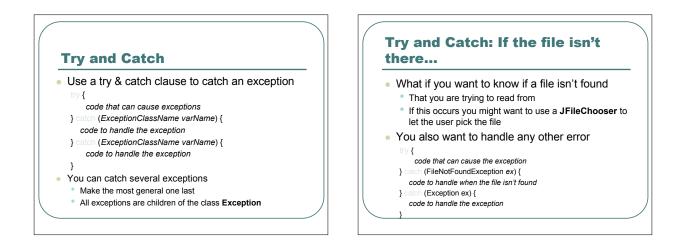
- We have to create a *stream* that allows us access to a *file*.
- We're going to want to write *strings* to it.
- We're going to have to handle things going wrong—*exception*al events like the filename being wrong or the disk failing.
- Here's how...

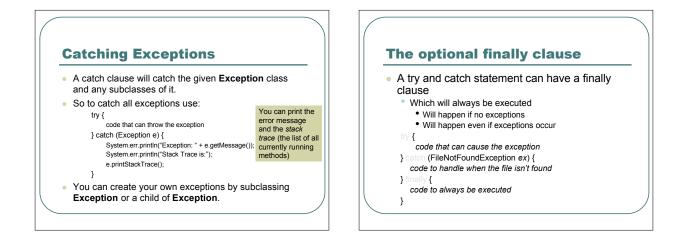


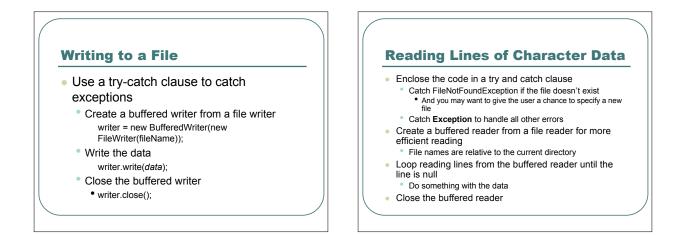












Reading from File Example

BufferedReader reader = null; String line = null;

// try to read the file try {

// create the buffered reader reader = new BufferedReader(new FileReader(fileName));

// loop reading lines till the line is null (end of file)
while ((line = reader.readLine()) != null)

{ // do something with the line }

// close the buffered reader reader.close();

} catch (Exception ex) { // handle exception

Adding an Output File to **WolfDeerSimulation**

/* A BufferedWriter for writing to */ public BufferedWriter output;

/**

* Constructor to set output to null **/

public WolfDeerSimulation() { output = null;

}

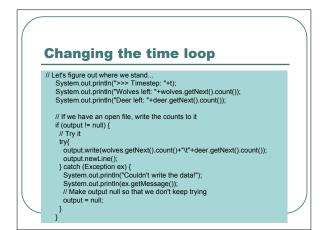
Opening the File

* Open the input file and set the BufferedWriter to speak to it.

, public void openFile(String filename){ // Try to open the file try {

// create a writer output = new BufferedWriter(new FileWriter(filename));

} catch (Exception ex) { System.out.println("Trouble opening the file " + filename); // If any problem, make it null again output = null; }



After the timing loop

// If we have an open file, close it and null the variable
if (output != null){
 try{
 output.close();}
 catch (Exception ex)

{System.out.println("Something went wrong closing the file");} finally {

// No matter what, mark the file as not-there
output = null;}

}

Running the Simulation with a File

Welcome to DrJava.

- > WolfDeerSimulation wds = new WolfDeerSimulation();
- > wds.openFile("D:/cs1316/wds-run1.txt")
- > wds.run();

Finding the file in Excel www.interferences. wwww.interferences. www.interferences. www.interferences.

