

EIST 2372
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today: More Files
Lab 3b
Mon: Threads
Lab #4
Wed: Review
Mon: TEST

test July 2nd - Monday

files? or Data Bases?

Interrogating file - ron2.txt

if (f1.length() == 0)

 write to file

else

 error msg

if (f1.exists())

 error

else

 write to file

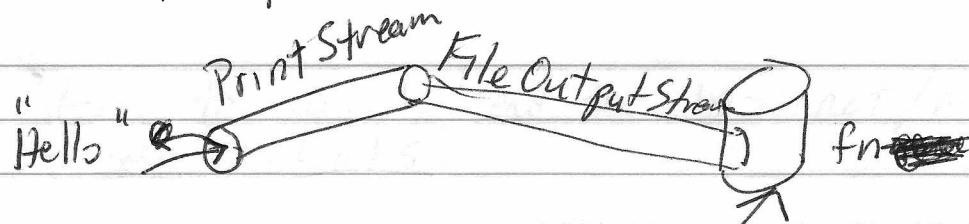
classes to write to file

FileOutputStream

FileInputStream

) uses bytes

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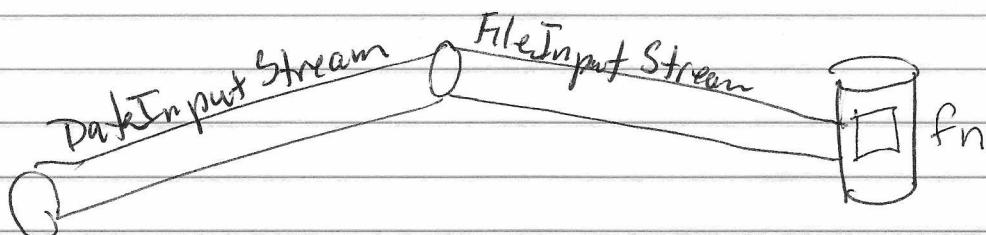
File f1 = new File(fn);
// Interrogate
FileOutputStream fout;
fout = new FileOutputStream(f1);

PrintStream ps;
ps = new PrintStream(fout);
ps.println("Hello");

printing Integers:

A diagram illustrating the flow of data from an integer to a file. On the left, the number "6" is shown. An arrow labeled "DataOutputStream" points from this number to a cylinder representing a file. Another cylinder, labeled "FileOutput Stream", is positioned above the first one. A third cylinder, labeled "fn", is at the end of the path. Arrows indicate the flow from the integer to the data output stream, then to the file output stream, and finally to the file.

x = din.readInt();
System.out.println("x = " + x);



file stream → printstream → print/read

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How to write/read to Internet/network?

→ use sockets

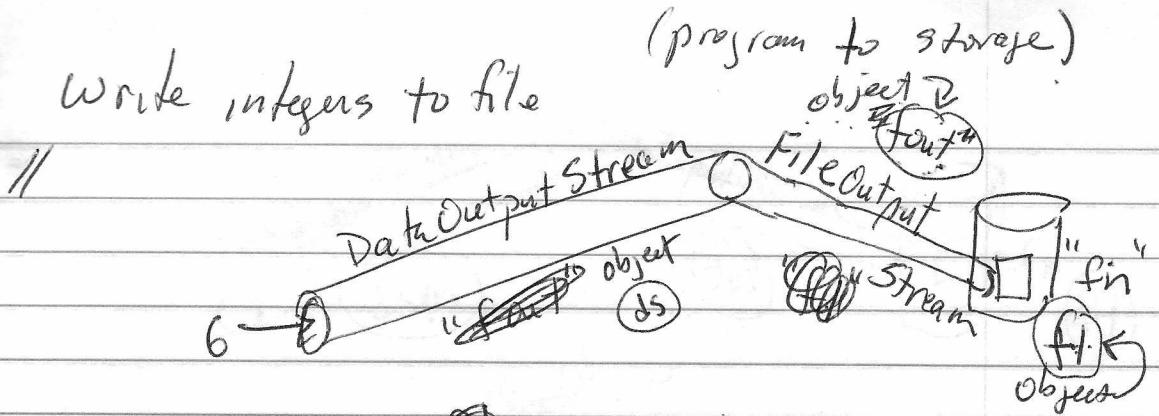
→ Cannot do Read/Write with File class

→ no try around File

→ +/c around code that is reading/writing

Write integers to file

(program to storage)



✓ // declare file ~~File~~ ~~fn~~ f1 attached to fn

~~Reattach fn to f1 using~~

✓ // interrogate

~~if~~ ~~try~~ late ✓ if/else - file exist?

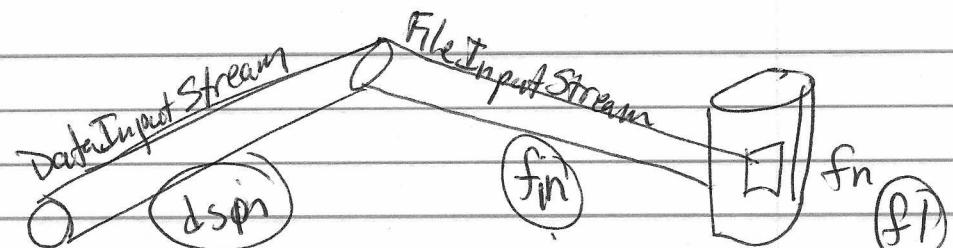
✓ // create/attach f1 to FileOutputStream fout

✓ // create DataOutputStream - dsout

✓ // write integer to dsout `dsout.writeInt(6);`

// close f1

// catch (IOException e) { println(e) }



create File f1 ~~pointing to~~ fn

create FileInputStream fin pointing to file f

create DataInputStream dsin pointing to fin

read from d sin $d \sin.$ readInt();

1 write array element to file

for i = 0; i < 5; i++ {
 ~~cout << "Hello"~~

`dsout.writeInt(intArray[i])`

3

ds.out.writeInt(0)