CS1110 HUMOR FOR LEXOPHILES (LOVERS OF 20 April WORDS): 2010 Police were called to a day care; a three-year-old **Exceptions** was resisting a rest. in Java. Did you hear about the guy whose whole left side Read was cut off? chapter 10. He's all right now. The butcher backed into the meat grinder and got a little behind in his work. When fish are in schools they sometimes take A thief fell and broke his leg in wet cement. He became a hardened criminal. Thieves who steal corn from a garden could be charged with stalking. When the smog lifts in Los Angeles, U.C.L.A.

Please check that your grades on CMS match what you think they are.

No lab assignment today or tomorrow. But the TAs and consultants will be in the labs in order to (1) help you with questions about the prelim tonight and (2) help you with assignment A7.

The final exam will be **Thursday, 13 May, 9:00-11:30AM, Barton East**. We are scheduling review sessions for study week, 10-12 May.

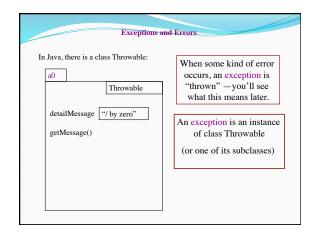
## What happens when an error of some sort occurs?

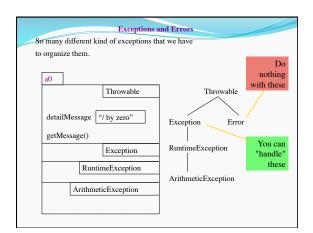
// String s is supposed to contain an integer.

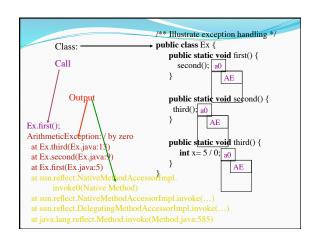
// Store that integer in variable b.

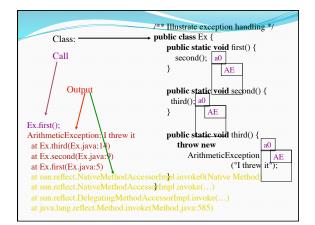
b= Integer.parseInt(s);

/\*\* Parse s as a signed decimal integer and return the integer. If s does not contain a signed decimal integer, throw a NumberFormatException. \*/
public static int parseInt(String s)









```
/** Illustrate exception handling */
   Won't compile.
                        Class: → public class Ex {
  Needs a "throws
                                       public \ static \ void \ {\it first}() \ \{
  clause, see next
                                          second();
  slide
                                        public static void second() {
                                         third();
            Outr
                                        public static void third() {
Ex.first();
                                           throw new
ArithmeticException:
                                              MyException("mine");
 at Ex.third(Ex.java:1
 at Ex.second(Ex.java:
 at Ex.first(Ex.java:5)
                         hodAccessorImpl.invoke0(Native Method)
```

```
The "throws" clause
/** Class to illustrate exception handling */
public class Ex {
 public static void first() throws MyException {
                                                            Don't worry
                                                         about whether
                                                         to put a throws
 \textbf{public static void} \ second() \ \textbf{throws} \ My Exception \ \{
    third();
                                                        clause in or not.
                                                            Just put it in
  public static void third() throws MyException {
                                                               when it is
    throw new MyException("mine");
                                                        needed in order
                                                        for the program
                                                             to compile.
```

```
public static void first() throws MyException{
                                                 Catching a thrown
  trv {
      second();
                                                          exception
   catch (MyException ae) {
            System.out.println("Caught MyException: " + ae);
                                                     Execute the try-
   System.out.println("procedure first is done");
                                                   block. If it finishes
                                                    without throwing
                                                       anything, fine.
public static void second() throws MyException {
                                                        If it throws a
  third();
                                                        MyException
                                                       object, catch it
                                                   (execute the catch
public static void third() throws MyException {
                                                   block); else throw
  throw new MyException("yours");
                                                        it out further.
```