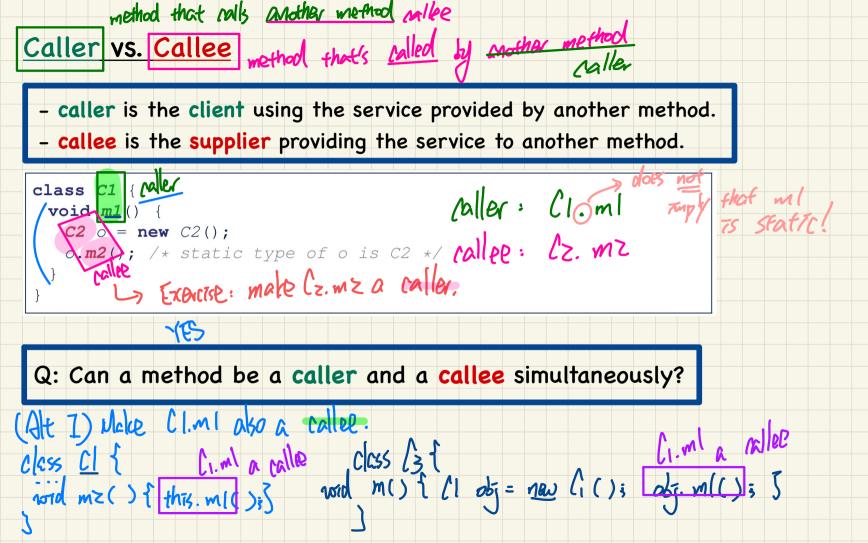
### Lecture 7 - May 27

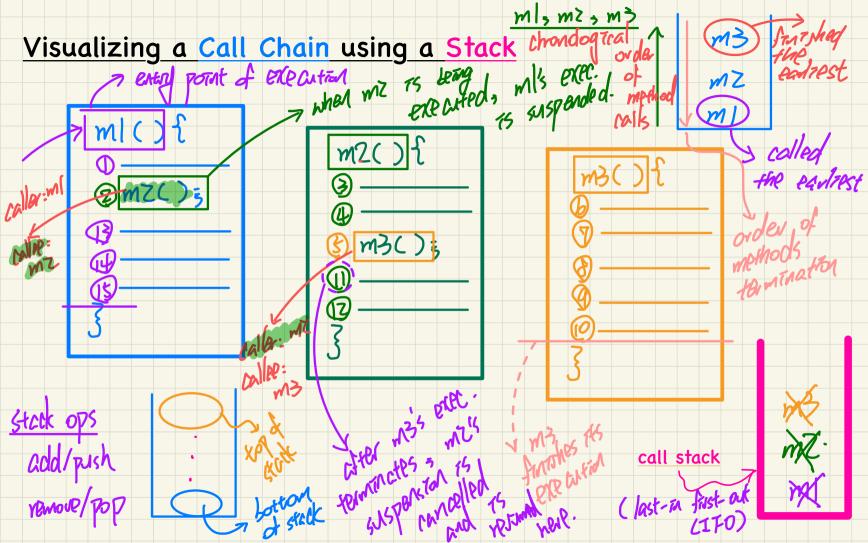
#### **Exceptions**

## *Tracing Chain of Method Calls via a Stack Catch-or-Specify Requirement To Handle or Not to Handle: Version 1*

#### Announcements/Reminders

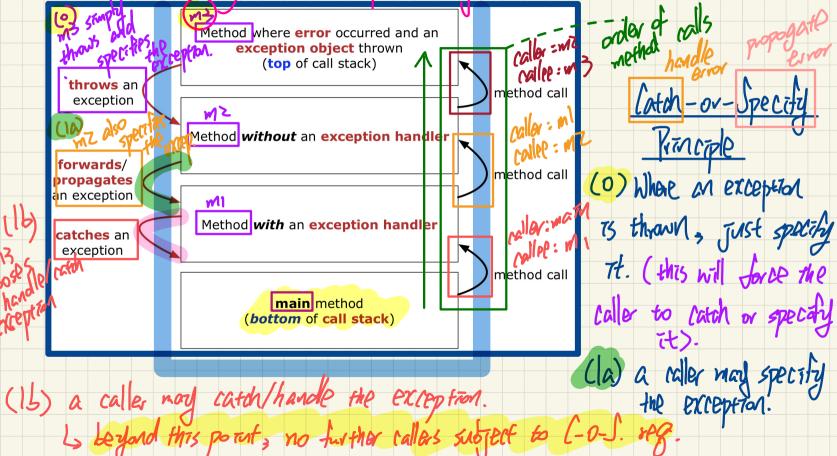
- Today's class: <u>notes template</u> posted
- ProgTest1 next Friday (June 6) during enrolled session
  - + Guide (policies & requirements) to be posted
  - + PracticeTest1 to be posted
- <u>Priorities</u>:
  - +Lab1
  - + Review slides on **Classes and Objects**





#### What to Do When an Exception is Thrown: Call Stack

> where an exception is organized.



# Example: To Handle or Not To Handle?

	ma(int i) {
	<pre>if(i &lt; 0) { /* Error */ } else { /* Do something. */ }</pre>
	<pre> } </pre>
	Version 1:
	class B { Handle it in B.mb
	mb(int i) { Version 2:
	A oa = new A(); Oa.ma(i); /* Error occurs if i < 0 */ Version 3:
_	Pass it from B.mb, then from Tester.main, then throw it to the
	console.
	class Tester {
	public static void <u>main(String[]</u> args) {
	<pre>Scanner input = new Scanner(System.in); int i = input.nextInt();</pre>
	Stack A
	(b) = new B();     Stack       (b) mb(i); /* Where can the error be handled? */       }     J calle: S.mb caller: Tester. main
	ob.mb(i); /* Where can the error be handled? */
	K.mb
	<pre>class NegValException extends Exception {     NegValException(String s) { super(s); } }</pre>
	NegValException(String s) { super(s); }

context caller callee