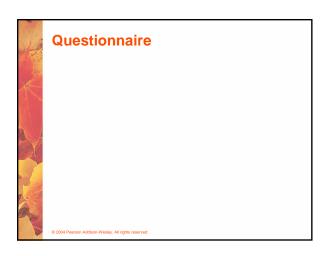
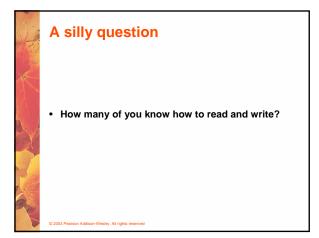
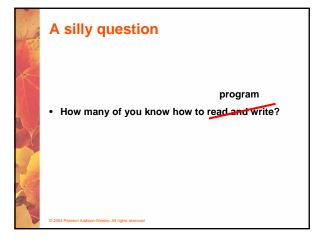


# Outline Questionnaire Class Overview Syllabus First Program

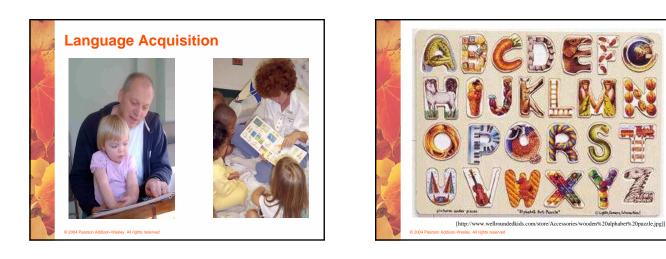


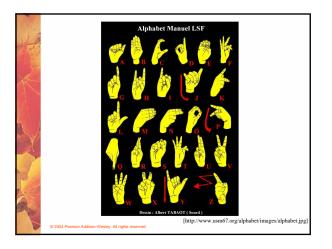








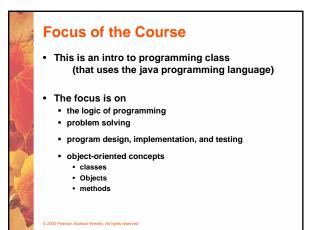


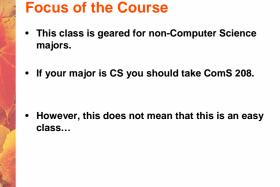


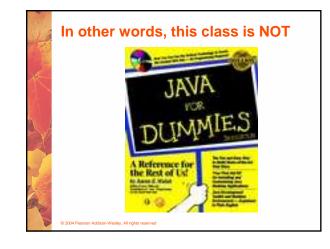
### Java

- A programming language specifies the words and symbols that we can use to write a program
- A programming language employs a set of rules that dictate how the words and symbols can be put together to form valid *program statements*
- The Java programming language was created by Sun Microsystems, Inc.
- It was introduced in 1995 and it's popularity has grown quickly since

The Java reserved words:			
abstract	else	int	strictfp
boolean	enum	interface	super
break	extends	long	switch
byte	false	native	synchronized
case	final	new	this
catch	finally	null	throw
char	float	package	throws
class	for	private	transient
const	goto	protected	true
continue	if	public	try
default	implements	return	void
do	import	short	volatile
double	instanceof	static	while







### What this class will NOT cover We will not go into details of programming GUIs We will not cover many of the libraries and classes that ship with the java language

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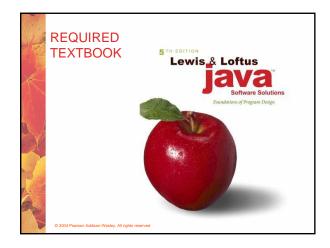
- Currently there are > 2,500 classes in these libraries
- We will not cover some advanced Object-Oriented concepts

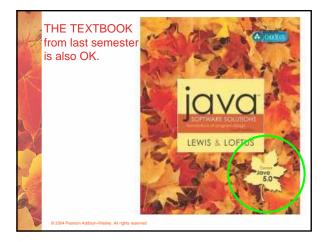
### Warning

- · Learning how to program takes a lot of time!
- It also requires a lot of patience.
- You cannot learn how to program by just reading a textbook. You have to spend long hours in front of the computer.
- If you want to learn how to program well you will have to take at least 2-3 classes. This class alone is not enough.

### Syllabus

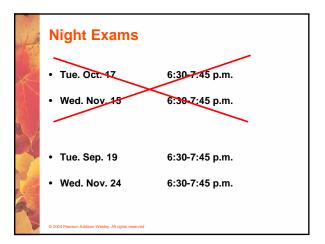
Posted on the Class Web Page:
 <u>http://www.cs.iastate.edu/~alex/classes/2006\_Fall\_207/</u>







## Recitations • W 8:00-8:50 IN ATANSFF B0029 • W 9:00-9:50 IN ATANSFF B0029 • W 10:00-10:50 IN GILMAN 1810





### Java Program Structure

- In the Java programming language:
  - A program is made up of one or more classes
  - A class contains one or more *methods*A method contains program *statements*
  - A method contains program statements
- These terms will be explored in detail throughout the course
- A Java application always contains a method called main

