



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

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Reserved Words

• The Java reserved words:

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

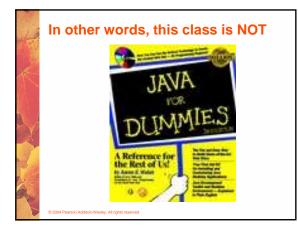
Focus of the Course

- This is an intro to programming class (that uses the java programming language)
- · The focus is on
 - the logic of programming
 - problem solving
 - program design, implementation, and testing
 - object-oriented concepts
 - classes
 - Objects
 - methods

Focus of the Course

- This class is geared for non-Computer Science majors.
- If your major is CS you should take ComS 208.
- However, this does not mean that this is an easy class...

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

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Warning

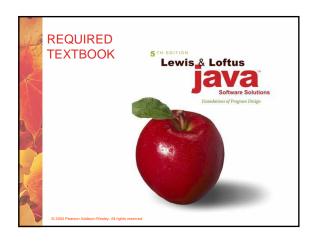
- Learning how to program takes a lot of time!
- · It also requires a lot of patience.
- You cannot learn how to program by just reading a textbook. You have to spend long hours in front of the computer.
- If you want to learn how to program well you will have to take at least 2-3 classes. This class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

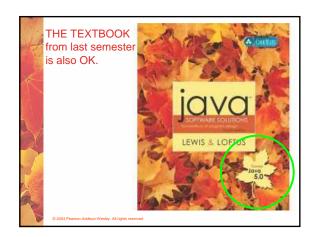
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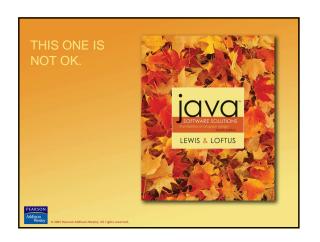
Syllabus

- Posted on the Class Web Page:
 - http://www.cs.iastate.edu/~alex/classes/2007 Fall 207/

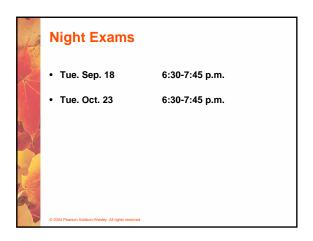
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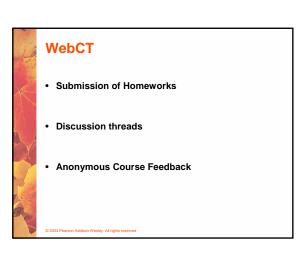




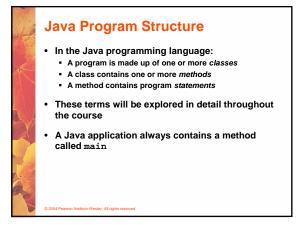












```
Java Program Structure

// comments about the class
public class MyProgram
{

// comments about the method
public static void main (String[] args)
{

System.out.println("Hello World!");
}
}
```

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public static void main (String[] args)

{

method body
}

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