


CS101

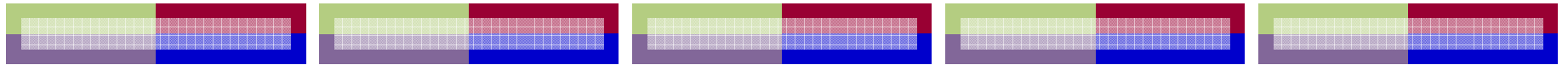
Problem Solving and Object-Oriented Programming

Midterm Review



Midterm: Thursday April 9

- In class, closed book, closed notes, but I'll provide a cheat sheet
 - Tuesday, April 7, Review in class - come with questions!
 - Covers only Java, material through Scope (to April 2)
 - Sample types of questions:
 - What does it do? - like the mystery programs
 - Vocabulary - I provide a program and ask you to identify all parameters, all methods, etc.
 - Find a bug - I provide a program and ask you to find the bug in it.
 - Declare variables - I provide a program and ask you to insert appropriate variable declarations
 - Write a short method
- 



Java Concepts

You should know what all of these terms mean and how to use these in Java:

Class

Method

Instance variable

Assignment statement

Constant

int

Object

Parameter

public/private

If statement

Type

boolean

Constructor

Method signature

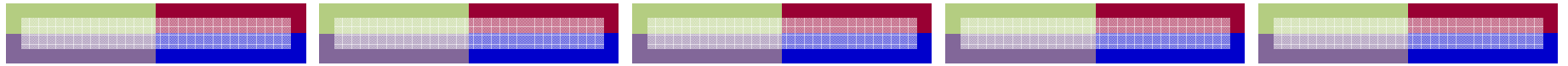
Local variable

Condition

double

Color

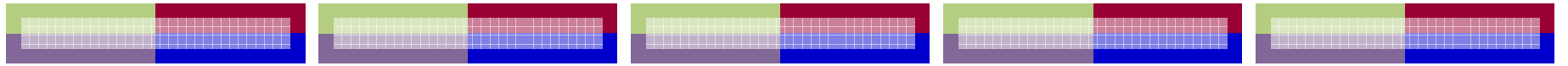




objectdraw Concepts

- FrameWindowController
 - begin method
 - mouse event handling
- Basic shapes (FilledRect, Line, Text, etc.)
 - How to create them
 - Methods we have used commonly on them
- Random number generation





Things you should know

- Dragging algorithm
- Delegation
- Given a method signature, how to call the method
- Passing parameters
- Mouse event handling





Studying for Exam

- Study in groups
- Read the book! (You've been doing this, right?)
- Look at exercises in the book.
- Review slides and examples, focusing on understanding code, not generating code.



