More on Functions & Conditionals

CSE 114 INTRODUCTION TO OBJECT-ORIENTED PROGRAMMING

Announcements

Will start by covering programs from Lecture 4 that we did not cover

Homework 1 is due Tuesday night (tomorrow, September 8).

Abstraction

"black box abstraction" – the concept

"procedural abstraction" – doing abstraction with functions/procedures

See (Func5.java) from last lecture
◦ square as an abstraction
◦ yesFun as an abstraction

Signature of a function, function name overloading in Java
◦ See Sig.java

Exercises on functions

Try to do these problems without using IntelliJ IDEA. If you use IntelliJ IDEA, it will show you what is wrong with the programs. I want you to be able to figure them out yourself

- See Problem1.java
- . . .
- See Problem5.java

Variables

Parameters (formal parameters) in a function

Local variables – variables in a method/function
◦ Local to what?
◦ See StackExample.java

Memory diagrams (Stack diagrams)
◦ Use StackExample.java to demonstrate

Some Useful Methods

◦ See Other.java