CIS 1068

March 13, 2018

Administrative Stuff

- Assignment 6 due today
- Assignment 7 posted

World's Most Lame Calculator

How It Should Work

- Welcome message
- Menu. Choices: add, subtract, multiply, divide, quit
- Until the user quits:
  1. Which operation?
  2. Read operands
First Pass: Outline

print menu
get choice
while (choice isn't to quit)
    get operand 1
    get operand 2
    calculate result
print menu
get choice

2nd pass: turn bullet points into static methods

printMenu();
choice = getChoice();
while (choice isn’t to quit) {
    int operand1 = getOperand();
    int operand2 = getOperand();
    int result = getResult();
    printMenu();
    choice = getChoice();
}

What might we need to pass to these?

printMenu();
choice = getChoice();
while (choice isn’t to quit)
    int operand1 = getOperand();
    int operand2 = getOperand();
    int result = getResult();
printMenu();
choice = getChoice();

Arguments?
printMenu

 */ prints each of the menu options */
public static void printMenu() {
    /* add me later */
    /* we call this a "stub" */
}

Menu Choices

How about this? Press:
- 1 to add
- 2 to subtract
- 3 to multiply
- 4 to divide
- 5 to quit

Define Named Constants

public static final int ADD=1;
public static final int SUBTRACT=2;
public static final int MULTIPLY=3;
public static final int DIVIDE=4;
public static final int QUIT=5;