

Practical #1 Name: _____ **Section:** _____

Part 1 (70 pts.)

In a class named Practical1, declare the following instance variables:

- 1 String named **title**
- 1 double named **average**
- 3 ints named **sum, count, and inputValue**

Make the following assignment and print statement:

- Assign the following string to **title**:

This program reads a single integer input from the user (10-100) and sums all even integers between 2 and the input value, inclusive.

- Print the contents of **title** using System.out.

Part 2 (15 pts.)

In your main method convert the runtime argument to an integer value between 10 and 100

- If this value is in range assign the user specified value to **inputValue**.
- and use System.out to print: *You have chosen* concatenated with **inputValue**.
- else use System.out to print: *Bad runtime input:* concatenated with **inputValue** concatenated with *Please run the program again with a command line argument between 10 and 100.*

Part 3 (15 pts.)

Calculate and assign correct values for **sum, count, and average** for the given input value.

- Print these values to System.out as in the last line of the sample output.

Submitting

Make sure both your name and lab section are in a remark block at the top of your source code. Have your lab professor/assistant check off your progress (run your program, part 1, 2 or 3 depending on how far you get) on this sheet.

Sample output

This program reads an integer input from the user (10-100)

and sums all even integers between 2 and the input value, inclusive.

You have chosen 100.

Sum from 2 to 100 inclusive: 2550. The 50 values summed have an average of 51.0.