

```

1  /* Interactive Average Program
2     This program asks the user to input two real numbers,
3     calculates the average of these numbers, and prints the results
4     Zachary Stall
5     Program #1, CS 1050, Section 2
6     jGRASP, Custom PC, Windows 10
7     Surreptitious - obtained, done, made, by stealth; secret or unauthorized
8     "The secret to getting ahead is getting started." Mark Twain (1835 - 1910)
9  */
10
11 import java.util.Scanner;
12
13 public class ZacharyStall_2_01 {
14
15     public static void main (String [] args) {
16
17         Scanner console = new Scanner(System.in);
18         double num1 = 0.0;           // Input value 1
19         double num2 = 0.0;           // Input value 2
20         double average = 0.0;        // Average of the input values
21
22         //Explain the program to the user
23         System.out.println("This program averages two real numbers.");
24
25         //Input the two numbers
26         System.out.print("Input your first number: ");
27         num1 = console.nextDouble();
28         System.out.print("Input your second number: ");
29         num2 = console.nextDouble();
30
31         //Calculate the average of the two numbers
32         average = (num1 + num2)/2.0;
33
34         //Output the results
35         System.out.print("The average of " + num1);
36         System.out.println(" and" + num2 + " is " + average);
37         System.out.println("Zachary Stall");
38
39         //Close files and exit
40         console.close();
41         System.exit(0);
42     } //End main
43 } //End class

```