

Assignment #1

Requirements:

- Write a class named `IntegerTester` for calculating a set of arithmetic operations of two integers
- Generate complete Javadoc(e.g. import statement, class, method, comments, etc.) for the `IntegerTester` class and place them in a folder named `docs` within the project
- The program prompts the user for two integers which are not greater than 100, and then prints following results
 - The sum
 - The difference
 - The product
 - The average
 - The distance (absolute value of the difference)
 - The maximum (the larger of the two)
 - The minimum (the smaller of the two)
- Use a sentinel value (-1) to terminate this program

Expected Results:

- Sample input: 20 25
- Sample output:
 - Please enter two integers (-1 for finish:): 20 25
 - Sum: 45
 - Difference: -5
 - Product: 500
 - Average: 22.50
 - Distance: 5
 - Maximum: 25
 - Minimum: 20
- Numbers need to be properly aligned
- Numbers need to be printed in correct data types
- Your code must be properly formatted with sensible variable names! Refer to the text for code format examples.
- Do not use magic number
- Your Eclipse project is named `yourStudentID_1`.

Submission: Put all files in a folder and compressed it. Submit your assignment on eCourse under **HW1**. No other submissions will be graded!

Academic dishonesty: You may not do work for another student nor may any student copy or plagiarize someone else's work. Severe penalties will be imposed on all parties involved.

Deadline: Thursday, March 23, 2017.