

ASSIGNMENT 1

Due date: Sunday, 4th Oct 11:59 pm (PST)

Requirement:

Consider 2 natural numbers a and b as the length and breadth of a rectangle.

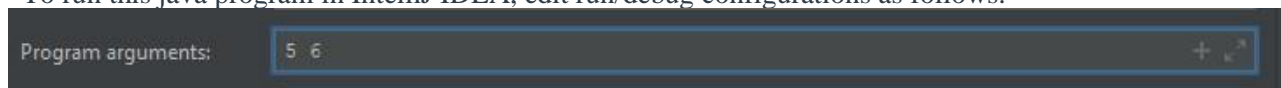
Create a java class **LastnameFirstnameA1.java** to take 2 natural numbers as input from the user and check if the area of rectangle is greater than 100 or not. **Assume that you input in the order: a, b.**

Make sure the program prints usage if arguments are not passed while executing it.

- `java LastnameFirstnameA1`
- Usage: `java LastnameFirstnameA1 {number1 number2}`

Run and execute the program using IntelliJ IDEA as well as Command Prompt.

To run this java program in IntelliJ IDEA, edit run/debug configurations as follows:



To run the program using command prompt / terminal:

1. Make sure the java path is set on the terminal by running

- `java -version`

command on the prompt. In case it does not work then please follow links below to set path on the terminal.

For mac OS:

https://www.sajeconsultants.com/how-to-set-java_home-on-mac-os-x/

For Windows:

<http://techoverload.net/java-path-system-variable-windows-10/>

2. Go to the directory where your LastnameFirstnameA1.java file is created/saved and run:

To compile and run the program, execute below commands.

- `javac LastnameFirstnameA1.java` (This compiles the program)
- `java LastnameFirstnameA1 3 4` (This executes the program)

Sample Input1 – *java LastnameFirstnameA1 3 4*

Sample Output1 –

The area for given rectangle is 12 and it is less
than 100.

Program Completed

Sample Input2 – *java LastnameFirstnameA1 25 5*

Sample Output2:

The area for given rectangle is 125 and it is greater
than 100.

Program Completed

Notes:

1. The program should always print '**Program Completed**' before exiting.
2. Check if your program works properly by giving different inputs.
3. Give comments to increase code readability.
4. Mention the sources used to complete the assignment.
- 6. Submit .java file and a screenshot of terminal when you run the program.**