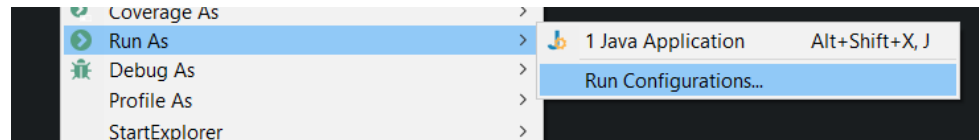
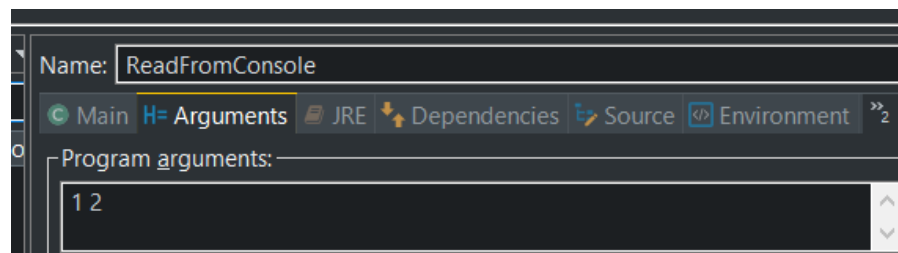


1. **[OPTIONAL]** Read the chapter #4 of 'Java: The Complete Reference - Herbert Schildt'
2. Review source code of java.lang.Math
3. Implement console program which meet the following requirements:
  - a. Program is started with 2 input arguments.

To start program with arguments, do mouse right-click in the code editor area  
 -> Run as -> Run configurations



-> 'Arguments' tab -> insert program arguments in 'Program arguments area'



- b. Program parses arguments to Integer.

To parse String arguments to int, consider the next example:  
`int i = Integer.parseInt("1");`

- c. Progra4gers to console
4. Implement console program which meet the following requirements:
  - a. Program starts and asks user to enter length of the side A of triangle
  - b. Program asks user to enter length of the side B of triangle
  - c. Program asks user to enter length of the side C of triangle
  - d. Using The Heron's formula (<https://www.mathopenref.com/heronsformula.html>) programs calculates area of triangle and shows it to the user
  - e. In case such triangle doesn't exist, print to console 'NaN'
5. Implement console program which meet the following requirements:
  - a. Program starts and asks user to enter circle radius
  - b. Program calculates circle circumference and shows it to the user.

**N.B.:**

- All tasks should be implemented in Eclipse Project with name 'LearnIT'
- Root package for all files have to meet the next pattern:  
com.itbulls.learnit.<yourlastname>

**Example:** My name is Andrii Piatakha. My root package would be:  
com.itbulls.learnit.piatakha

- For this homework create separate package 'operations'. So classes for your homework you can create in package com.itbulls.learnit.<yourlastname>.operations
- Additionally create class Demo which demonstrates all tasks from homework

**Example:**

```
3 public class Demo {  
4  
5     public static void main(String[] args) {  
6         AddIntegers.main(new String[] {"5", "10"});  
7         AreaOfTriangle.main(new String[] {});  
8         CircleCircumference.main(new String[] {});  
9     }  
10  
11 }
```