

Assignment #1
Eclipse Java Environment
The First Class

Task 1.

Create:

- Folder for your workspace
- Project with the name Laboratories
- Package start

Task 2.

In the package start define:

1. Class Item that conforms to the following specification:
 1. The class data members are:
 - String name, default value "no-name"
 - double weight, default value 1.0.
 2. A constructor with two arguments that specify name and weight. The weight should be >0.0 and ≤ 10.0 . If the argument values are not within the limits, please use the default values instead.
 3. A constructor without any arguments.
 4. The following methods are necessary:
 - String toString();
 - Getters for all data members that is methods:
 1. public String getName();
 2. public double getWeight();
 - the method main to create and display at least 3 Item objects.

Remark:

- Use proper visibility level for a class components.

Task 3.

Using the Eclipse IDE:

1. Use the Eclipse debugger to run the main method. Please practice:
 - a. Setting break points
 - b. Stepping into, stepping over, step return, running to cursor
 - c. Evaluating value of expressions
2. Run the class file from Eclipse environment
3. Run the class file from Windows dot prompt
4. Create a jar file
5. Run the jar file.
6. Export filesystem with the classes
7. Import filesystem with the classes

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