

Assignment #1
Eclipse Java Environment
First Clssses

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 confirms to the following specification:
 1. The class data members are:
 - String name, default value "noname"
 - 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 .
 3. A constructor without any arguments.
 4. The following methods are necessary:
 - String toStringl();

Task 3.

In the package start define:

2. Class MyBag that confirms to the following specification:
 5. The class data one member:
 - An array of Items, the default length of the array is 10.
 6. A constructor an arguments that tells the length of the array. It should be >0 and < 15 .
 7. A constructor without any arguments.
 8. The following methods are necessary:
 - String toStringl()
 - boolean putItem(Item item) // we can pun an item into a bag if there is room for it.
 - void removeAll()
 - void testMe() // to test the operation of the class
 - public static void main(String[] argsain())

Task 4.

Using the Eclipse IDE:

1. Use the Eclipse debugger to run the testMe() method.
 - a. Setting break points
 - b. Stepping into, step over, step return, run to cursor
 - c. Evaluating value of expression
2. Run the class file
3. Create a jar fil
4. Run the jar file.
5. Export filesystem with the classes
6. Import filesystem with the classes

Andrzej Siemiński