

Program #0 (5 points)**Due Date: Jan. 26 (Monday) at 10pm****Grace Date: Jan. 28 (Wednesday) at 10pm**

In this program, you will learn how to

- Use NetBeans 8.0 to create, build and run a Java application project.
- Write a Java class
- Input/output data from/to standard I/O.
- Create a Java class that implements an unordered list of integers.

Program Description

1. Start NetBeans 8.0
2. Create a java project in NetBeans
 - a. File/New Project (use Tool Bar)
 - b. Category: Java
 - c. Projects: Java Application
 - d. Next button
 - e. For project Name, put **Prog0**
 - f. For Project Location, use any drive, except the C drive
 - g. **Uncheck** "Create Main Class"
 - h. Click Finish button
3. Download .java files for Prog0 from CSSE web page: select Resources>CSSE course materials>CSSE class files>CS2430>Prog0 and save the java files in your project folder, e.g., YourFolder\Prog0\src folder.
4. Put your name after @author on top of every java file, and complete the DOs in the java files, DO NOT modify Prog0.java.
5. Building, Running, Debugging:
 - a. You should save your files often, using save-file icon
 - b. Run, use "triangle" – run icon. You may be prompted to use Prog0 to run.
 - c. Type in the sample input listed below to see if you are getting the same output with the sample output below.
 - d. Submit all java files to the grader at: <https://xray.ion.uwplatt.edu/grader/>

Sample Input

```
A 23 11 43 5 7
A 60 12
A 2 7
Q
```

Sample Output

```
Integer 23 has been added to the list
Integer 11 has been added to the list
Integer 43 has been added to the list
Integer 5 has been added to the list
Integer 7 has been added to the list
Integer 60 has been added to the list
Integer 12 has been added to the list
Integer 2 has been added to the list
The list is full!
List of integers: 23 11 43 5 7 60 12 2
Average of all integers in the list: 20.375
```