

IsAHeap (7 marks) -> will be scaled to equal to other homeworks.

- Don't forget to set your Eclipse workspace and working set.
- You must submit the JAR file, exported (with source code), from your Eclipse project.
- You must check your JAR file to make sure all the source files (.java files) are present. It can be opened with file compression programs such as 7-zip or Winrar.
- Failure to export properly will result in your work not getting marked.

To submit:

- Export your project to a JAR file, with source code.
- Name your JAR file ID_Week14_Q2.jar. For example, 6623110021_Week14_Q2.jar
- Submit the JAR file on MyCourseville.

(7 marks) You are given classes for a min Heap of integers (small values are more important than large values). Your task is to write method

public static boolean isAHeap(Heap h) of class Heap

This method is a static method. It returns true if a given heap actually follows minheap definition. Otherwise, it returns false.

- JUnit test cases are provided. Please look at the test cases for more clarifications. Your test cases are slightly different from the markers' test cases.
- Only modify Heap.java. Do not add any other files. Otherwise, the grader will not mark your code.