* 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\_Week12\_Q2.jar. For example, 6623110021\_Week12\_Q2.jar**
* **Submit the JAR file on MyCourseville.**

(5 marks, will be scaled to equal to other homework) You are given files for a selection sort, including JUnit “SelectionSortTest.java”.

Write another selection sort that specifies range:

* selectionSort(int[] a, int l, int r)

where l and r indicate position in the array to be sorted.

**Your score will also be proportional to how similar your code is to the given original selectionSort method. The similar your code is, the more points you will get.**

Assume the followings:

* l and r always indicate positions inside the array.
* l always indicates position to the left of r.
* the array a is never going to be a null array.
* The array a always has more than one data.

For example:

If you have array a:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 5 | 3 | 7 | 1 | 6 | 4 | 2 |

selectionSort(a, 1, 4) will change the array contents to:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 5 | 1 | 3 | 6 | 7 | 4 | 2 |

sorted