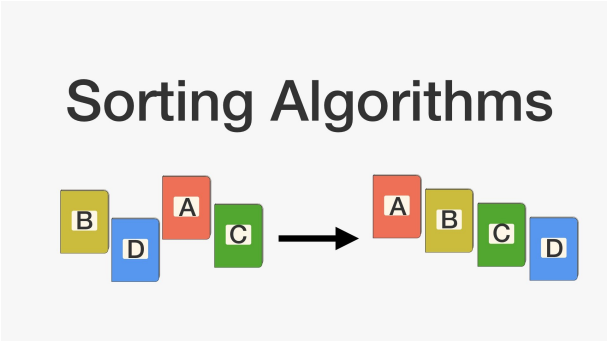
Practical 04 Specification – A Hand-on Exercise to solve Sorting Algorithms
credit/no-credit
Due (via your git repo) no later than 8 a.m., Monday, 29th March 2021.

Exercise to solve Sorting Algorithms:

The key focus is to understand how the Algorithm works by realization of the changes in the Array?



1. For simplicity, a starter code using the file named `isa1.xml` for **Insertion Sort Algorithm** and `ssa1.xml` for **Selection Sort Algorithm** is provided in the practical repository. The starter code has the solution to the example outlined below and similar to the one in the lecture slides.

   example:

5	4	3	2	1

2. Create two new files named `isa2.xml` and `ssa2.xml`. Make edits to these two files to include the Insertion Sort and Selection Sort solution for the dataset provided below.

   problem1:

2	4	3	5	1	

3. **Optional:** Do you have some extra time? then practice one more problem. In this way, you can maximize your chance to do well in this upcoming exam. Create two new files named `isa3.xml` and `ssa3.xml`. Make edits to these two files to include the Insertion Sort and Selection Sort solution for the dataset provided below.

   problem2:

3	2	1	4	5

4. Make edits to the honor-code.txt file. Here, read through the honor code statement and sign by replacing Student Name with your name. The honor-code is required to be signed for the work to be graded.

Submission Details

For this practical, please submit the following to your GitHub repository by using the link shared to you by the Professor:

1. `isa2.xml` and `ssa2.xml` files.
2. `isa3.xm` and `ssa2.xml` files **(optional)**.
3. A document with the honor code pledge signed in a file named `honor-code.txt` document.
4. It is highly important, for you to meet the honor code standards provided by the college and to ensure that the submission is completed before the deadline. The honor code policy can be accessed through the course syllabus.