Lab 9: Comparing Sorting Algorithm

You may work with another student on this exercise; if you do, make sure you turn in two (2) projects with both names in the header.

Folder name: A250_L9_YourLastName_YourFirstName

For this exercise, you are required to implement **Bubble sort** (**flagged** version), **Selection sort**, **Insertion sort**, and **Merge sort**. In each function, you will need to add a **variable** that keeps track of the **number of comparisons** made on the arrays already provided in the code.

Using the project **lab_09_comparing_sorting_algorithm**s, implement the functions specified and run the application to view the output. The **Main.cpp** file already contains testing cases for a 6-index array and a 1000-index array.

The slides related to these topics provide some of the **code** or **pseudocode** needed for the implementation, but you are welcome to look in the Internet for coding examples (make sure the algorithms are correct and the sites are reliable).

You can view the expected output by running the **output.exe** file.