

## Sorting Project

Here is a link to the videos for reference:

- Selection Sort: <https://goo.gl/Q2M5pP>
- Insertion Sort: <https://goo.gl/PfmtXs>
- Merge Sort: <https://goo.gl/1Q3iGV>

You'll notice in the video that the user was given a pop-up box with options as soon as he ran his program. Your task is to implement this same functionality into a sorting project.

We have looked at three types of sorting algorithms: Selection Sort, Insertion Sort, and Merge Sort. Your program will give the user the option to sort by these three algorithms.

Create an array of 20 elements. Give the elements a random value. Create a method for each sorting algorithm. Output the original array. Output your results of the sorted array along with the name of the sorting algorithm used.

Finally, implement a pop-up box that asks the user which sorting algorithm they would like to use. The user entered a number that corresponded to each algorithm.