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| **LAB211 Assignment** | **Type:** | **Short Assignment** |
| **Code:** | **J1.S.P0020** |
| **LOC:** | **40** |
| **Slot(s):** | **1** |

**Title**

Selection sort algorithm.

**Background Context**

Selection sort is a simple and well-known sorting algorithm . Selection sort belongs to O(n2) sorting algorithms, which makes it quite inefficient for sorting large data volumes. Selection sort is **stable** and **adaptive**.

**Program Specifications**

Design a program that allows users to input the number of array, enter elements. Display unsorted array and sorted array using selection sort.

***Function details:***

1. Display a screen to prompt users to input a size of an array (positive decimal number).

* Users run the program, display a screen to ask users to enter a positive decimal number.
* Users input elements of array. Then, perform **Function 2**.

1. Display & sort array.

* Display array before and after sorting.

***Expectation of User interface:***

