**LAB # 05**

**Sorting on Linear Array**

**OBJECTIVE:** To sort a linear array using Selection Sort, Bubble Sort and Merge Sort.

TASK 1

Write a program for Selection sort that sorts an array containing numbers, prints all the sort values of array each followed by its location.

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| CODE:    OUTPUT: |

TASK 2

Write a program that takes 10 numbers as input in an array. Sort the elements of array by using Bubble sort. Print each iteration of the sorting process.

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| CODE:      OUTPUT: |

TASK 3

Write a program that takes 10 random numbers in an array. Sort the elements of array by using Merge sort applying recursive technique. Print each iteration of the sorting process.

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| CODE:      OUTPUT: |