ACADEMY OF TECHNOLOGY
Lab Assignment (Assignment 11)
Paper name: Data Structure and Algorithm
Code: PCC-CS391   **Semester: 3rd**
Discipline: CSE   **Time: 2 Hours**
Date: October 28, 2022

1. Write a program in C or C++ to sort a given array using selection sort algorithm. Show the number of comparison required for a given input.

2. Write a program in C or C++ to sort a given array using bubble sort algorithm. Show the number of comparison required for a given input.

3. Write a program in C or C++ to sort a given array using insertion sort algorithm. Show the number of comparison required for a given input.

4. Write a program in C or C++ to sort a given array using counting sort algorithm.

5. Write a program in C or C++ to sort a given array using radix sort algorithm.