Assignment - 10

(7 Nov. to 12 Nov. 2022)

Q1: Consider an array of decimal numbers between 0 to 1. The array is already sorted in reverse order. Implement bucket sort algorithm on this array. What is impact on time complexity of bucket sort if this array is passed as an input?

Q2. Write a program to Implement the counting sort algorithm to sort *n* given number between 0-9.

Q3. Write a program to implement expression tree for the following expression

A\*B+C/D-E^F

Q4. Write a program to implement Quick sort algorithm considering a random element in the given array as pivot.