Institute of Computer Technology

B. Tech. Computer Science and Engineering

Sub: DS (2CSE302)

Practical -22

Objective: Implement quick sort and radix sort.

(This practical is in continuation of previous practical scenario, so append code of below scenario along with previous practical)

1. Swati is working on different sorting methods to sort the data. She wants to prepare sorting calculator which provides the facilities to sort all kind of sorting methods for same data. Kindly refer given scenario for calculator and implement it in C:

    How many number you want to sort:

    5

    Enter the Elements for Sorting:

    6734

    2367

    8901

    345

    5421

    List of sorting methods:

    1. Bubble Sort
    2. Insertion Sort
    3. Selection Sort
    4. Merge Sort
    5. Quick Sort
    6. Radix Sort
    7. Exit

    Which choice do you want apply?

    6

    Pass-1 8901 5421 6734 345 2367

    Pass-2 8901 5421 6734 345 2367

    Pass-3 345 2367 5421 6734 8901

    Pass-4 345 2367 5421 6734 8901