Exp No: 2

Date :

**Time analysis of different sorting methods**

Sort a given set of elements using the Quicksort and bubble sort method and determine the time required to sort the elements. Repeat the experiment for different values of n, the number of elements in the list to be sorted and plot a graph of the time taken versus n. The elements can be generated using the random number generator.

**Aim:**

To do the time analysis of different sorting methods

**Theoretical Background:**

About quick sort and bubble sort and its time complexity(all cases)

About GNU plot-Its installation and commands used

**Algorithm:**

…………………

**Conclusion:**

The time analysis of different sorting methods has been done the programs and its time taken has been analysed. From the graph it can be noticed that ……