

Kathmandu University
Dhulikhel, Kavre



Subject: COMP 202
Work: Lab 5

Submitted by:

Aakriti Banjara

Roll No:05

Group.: Computer Engineering

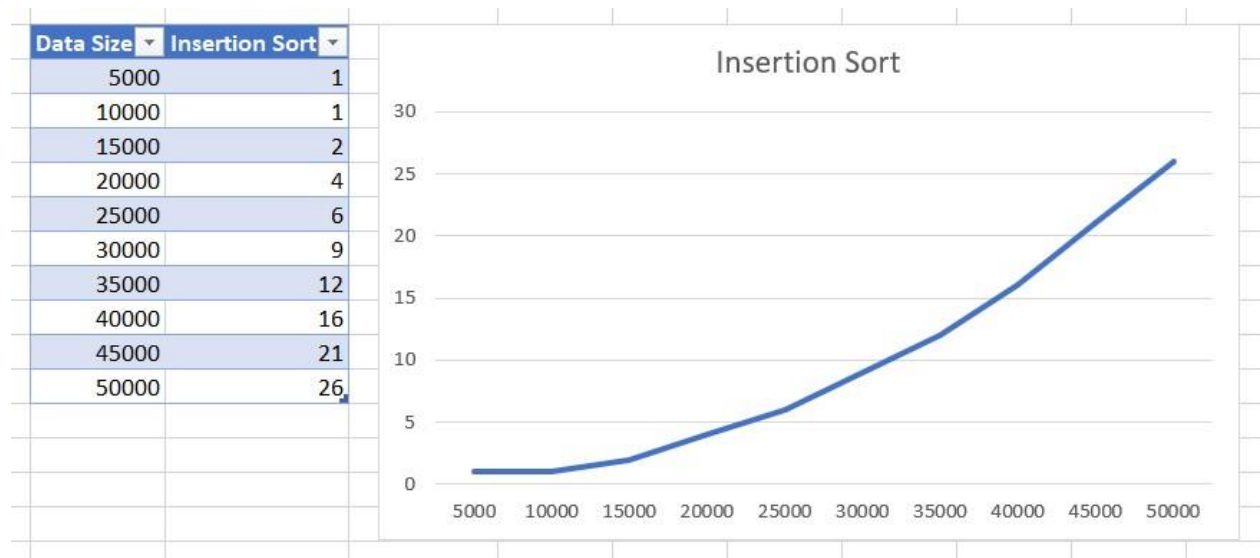
Level: 2nd year / 1st Sem

Submitted to:

Rajani Chulyadyo

Department of Computer Science and Engineering

The graph of the data is shown below:



This is the graph of Insertion Sort. The data size used starts from 5000 and is increased by 5000 every time until it reached 50000.

Insertion sorting is a type of sorting in which each element is picked out one at a time, and the following element is picked out and sorted in the sorted list after each loop. It is a type of internal sort because it doesn't need additional storage. It has an $O(n^2)$ time complexity, and the graph also displays data that is similar.

The link to GitHub repository is:

<https://github.com/Aakriti555/lab4.git>

The quick sort is done by my friend Mahip Adhikari and the report of quick sort will be submitted by him.