Lab Exercise-2

| | | 10 |
|-----|---|----|
| 1. | Implement the insertion sort algorithm and print the sorted order | |
| | (increasing) along with the number of comparisons and swaps | |
| 2. | Implement the merge sort algorithm and print the sorted order | 10 |
| | (increasing) along with the number of comparisons | |
| # 4 | optionally students can practice using large files of inputs having thousands | |
| | | |
| to | millions of numbers and compare the time taken by the two algorithms | |

Note:

- Students need to practice all questions in the assignments
- TAs will assign a random question in the lab