**Computer Science and Engineering Discipline**

**Khulna University, Khulna - 9208**

Roll#:

Name:

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**Assignment on Insertion Sorting**

Implement the insertion sorting algorithm **using C/C++** (Any other programming language **is not allowed**). Input will be the different numbers of positive integers. Execute your program and fill in the following Table I and provide other information.

**I. Write the code of your program below.**

Table I: Simulation results of Insertion sorting

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No. of Integers** | **No. of data Comparisons** | **No. of data movement** | **Execution time** |  |
| 100 |  |  |  |  |
| 500 |  |  |  |  |
| 1000 |  |  |  |  |
| 10000 |  |  |  |  |
| 1000000 |  |  |  |  |
| 10000000 |  |  |  |  |

**I. Input and Output of the program**

1. Input of 100 integers:

Output of 100 integers:

2. Input of **the last** 100 integers out of 10000000:

Output of **the last** 100 integers out of 10000000: