**Name Of the Experiment: Introduction to algorithm**

**Experiment No: 01**

**Course No: CSE- 244**

**Course Title:**

**Algorithm Desing and Analysis (Sessional)**

***Date of performance: 20-08-2023***

***Date of Submission: 03-09-2023***

Remarks

**Identity Details**

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**Program 1**: Given a list of numbers , sort them in ascending order using bubble sort algorithm. After implementing the program analyze its complexity.

**Output:**

**Output:**

**Program 2**: Given a list of sorted numbers in ascending order, find a specific element from that list using binary search.After implementing the program analyze its complexity.

**Output:**

**Program 3**: Given a list of sorted numbers in ascending order, find how many times a specific element is presented in that list. Complexity of the code must be O (log n).

Output: