Task of Lab 1

1. **Scenario: Sorting Student Grades**

You are tasked with sorting a list of student grades stored in an array using the insertion sort algorithm. Each grade is represented as an integer between 0 and 100.

Write a C/C++ program that:

1. Reads the number of students and their respective grades from the user.
2. Uses the insertion sort algorithm to sort the grades in ascending order.
3. Prints the sorted list of grades.

**Input:**

* The first input is an integer n, representing the number of students.
* The next n inputs are integers representing the grades of each student.

**Output:**

* The program should output the sorted list of grades.

**Example:**

Suppose the input is:

5

87 65 92 74 80

Output:

Sorted grades: 65 74 80 87 92

**2. Scenario: Sorting Employee Salaries**

You are given a list of employee salaries stored in an array. Your task is to implement the selection sort algorithm to sort these salaries in descending order.

Write a C/C++ program that:

1. Reads the number of employees and their respective salaries from the user.
2. Uses the selection sort algorithm to sort the salaries in descending order.
3. Prints the sorted list of salaries.

**Input:**

* The first input is an integer n, representing the number of employees.
* The next n inputs are integers representing the salaries of each employee.

**Output:**

* The program should output the sorted list of salaries.

**Example:**

Suppose the input is:

5

2500 1800 3200 2100 2900

Sorted salaries: 3200 2900 2500 2100 1800