**Lab Report---1 (20.01.2025)**

Problem: 1. Write a C++ program top print 1-100 numbers using loop.

Problem 2: Write a C++ a program to input an array of user-defined size and display its elements.

Problem 3: Write a C++ program to input an array of user-defined size, calculate the sum of its elements, and display the result.

Problem 4: Write a C++ program to input an array of user-defined size, find the maximum and minimum elements, and display them.

Problem 5: Write a C++ program to input an array of user-defined size, separate the even and odd elements, and display them accordingly.

**Lab Report---2 (27.01.2025)**

Problem 1: Write a C++ program that attempts to add an element at the end of an array.

Problem 2: Write a C++ program that allows adding multiple elements to an array after its initial creation at the end of an array.

Problem 3: Write a C++ program that performs a linear search to find an element in an array.

**Lab Report---3 (10.02.2025)**

Problem 1: Write a C++ program to delete an array element using its index number.

Problem 2: Write a C++ program to delete an array element by its value using linear search.

Problem 3: Write a C++ program to perform a binary search on an ascending sorted array.

**Lab Report---4 (21.04.2025)**

Problem 1: Write a C++ program to create and display a singly linked list. (Traversing)

Problem 2: Write a C++ program to create and search for an element in a singly linked list.

**Lab Report---5 (28.04.2025)**

Problem: Write a C++ program to create a linked list and insert elements at the start, end, and a given position.