

Practical 1

Task 1 Conversion from decimal to Binary (Marks: 15)

In the first task, you are required to use the provided task1.cpp template and follow the comments to add your solution to the code's appropriate parts.

Input: An integer

Process: Convert the integer to a binary number without using any libraries.

Output: Display the binary representation

Objectives: By the end of the task you will have learnt basic mathematical operations as well as type conversion and basic array traversal.

Task 2 (Marks: 20)

In the second task, you are required to provide a solution for adding 2 binary numbers using Task2.cpp and display the result.

Input: 2 binary numbers as an array of characters

Process: Add the 2 numbers together bit by bit.

Output: Display the binary result

Objectives: By the end of the task you will have learnt basic mathematical operations as well as type conversion and basic array traversal.