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| **OOP Lab 1** | | | |
| **Course Code:** | COMP-102L | **Class** | CS (B) |
| **Lab Engineer** | Laiba Khalid | **Semester** | 2nd |
| **Lab Title** | C++ Operations | **Section** | - |
| **Name** |  | **Reg no.** |  |
| **Content Covered** | Operations Implementation. | | |
| **Instructions:**  • Submit the file with your names following your registration numbers like AI001\_Name.  • Submit soft copy of the report before deadline. Marks will be deducted for late submissions. | | | |

**Lab Tasks:**

* Write a C++ program that takes three integer inputs from the user and determines the largest number using **comparison** and **logical** operators.

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* Write a program to take two numbers from the user and determine whether the number is even or odd.

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* Write a C++ program that takes three strings from users and concatenate the strings and also modify both the strings using assignment operations and display their results before and after modification.

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* Write a C++ program that calculates a student's final grade based on four assessments: assignments, quizzes, midterm, and final exam. The weights are:

1. Assignments: 20%
2. Quizzes: 10%
3. Midterm: 30%
4. Final exam: 40%

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* Write a C++ program that takes the ages of 5 people as input. The program should:

1. Check if each person is eligible to vote (age 18 or older).
2. Use **logical** and **comparison operators** to determine if most of the group is eligible to vote (3 or more people).

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