

## EXPERIMENT NO. 1

Aim : To Study And Implement Conductional Statements Along With Logical Operators.

Problem Statement : a)Write a C Program to find the Largest Of 3 Given Numbers From the user.

Theory: Conditional statements in C are programming constructs that allow a program to execute different blocks of code based on whether a certain condition is true or false. The most common types of conditional statements in C are the if, else if, and else statements.

Conditional statement in C programming are used to base choices on the conditions. When there is no condition surrounding the statements, conditional statement in C are executed sequentially. The execution flow may alter if a condition is added to a block of statements depending on the outcome of the condition's evaluation. In "C", this procedure is known as decision-making.

Conditional statement in C are possible with the use of the following two structures:

- If Statement
- If-else statement
- Relational Operators
- The If-Else Statement
- Conditional Expressions
- Nested If-else Statements
- Nested Else-if Statements

Output:

```
Name: Rushi Daulatkar
Roll No.: 053
Enter first number: 10
Enter second number: 20
Enter third number: 69
69.000000 is the largest number.
```

Code:

```
int main() {

    double num1, num2, num3;

    printf("Name :Rushi Daulatkar");
    printf("Roll No. :");

    printf("Enter first number: ");
    scanf("%lf", &num1);
    printf("Enter second number: ");
```

```
scanf("%lf", &num2);
printf("Enter third number: ");
scanf("%lf", &num3);

// if num1 is greater than num2 & num3, num1 is the largest
if (num1 >= num2 && num1 >= num3)
    printf("%lf is the largest number.", num1);

// if num2 is greater than num1 & num3, num2 is the largest
if (num2 >= num1 && num2 >= num3)
    printf("%lf is the largest number.", num2);

// if num3 is greater than num1 & num2, num3 is the largest
if (num3 >= num1 && num3 >= num2)
    printf("%lf is the largest number.", num3);

return 0;
}
```