EXPERIMENT NO. 1

Aim : To Study And Implement Conductiuonal Staments Along With Logical Operators.

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

Theory: In this program, we are using if statement. The steps followed in this program are:

1. User is asked to enter three numbers one by one. The program store these numbers into three variables num1, num2 and num3 using scanf() function.

2. Program compares num1 to other two variables num2 & num3 and if num1 is grater than both of these numbers then print num1 is the largest number.

3. Similarly compares num2 with num1 & num3 and if greater print num2 is the largest number.

4. Similar to step 2 and 3, compare num3 with num1 and num2 and if greater print num3 is the largest number.

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:

```c
int main() {

    double num1, num2, num3;

    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
```

```c
    if (num3 >= num1 && num3 >= num2)

        printf("%lf is the largest number.", num3);


    return 0;

}
```