

EXPERIMENT-4: Conditional Branching

Objective: To understand conditional logic of execution; applying conditional branching structures in C (if, if-else, if-else-if ladder, nested-if, switch-case).

List of Lab Activities:

Write algorithm and C program, compile, execute and test the code using Linux C compiler with suitable test cases.

1. Find the biggest of 3 numbers.
2. Check whether a given year is leap year or not.
3. Find the roots of a quadratic equation.
4. Check if a given character is a vowel or consonant using Switch-Case statement.

List of Practice Activities:

Write algorithm and C program, compile, execute and test the code using Linux C compiler with suitable test cases.

1. Find whether a given number is even or odd.
2. Find if the given number is positive, negative or zero.
3. Check if the given number is divisible by 2 and 3 or not.
4. Check whether a given character is an alphabet, digit or special character.