

## **Experiment -11**

In a class of Grade 3, Mathematics Teacher asked for the Acronym PEMDAS ?. All of them are thinking for a while. A smart kid of the class Kishore of the class says it is Parentheses, Exponentiation, Multiplication, Division, Addition, Subtraction. Can you write a C Program to help the students to understand about the operator precedence parsing for an expression containing more than one operator, the order of evaluation depends on the order of operations.

### **PROGRAM:**

```
#include <stdio.h>

int main() {
    int result;
    int a = 10, b = 2, c = 3;
    result = a + b * c;
    printf("Expression : a + b * c\n");
    printf("According to PEMDAS: Multiplication before Addition\n");
    printf("Result = %d\n", result);
    return 0;
}
```

### **OUTPUT:**

**Output**

```
Expression : a + b * c
According to PEMDAS: Multiplication before Addition
Result = 16

==== Code Execution Successful ===
```