**CSA1443-COMPILER DESIGN FOR INTRAPROCEDURAL ANALYSIS**

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**PROGRAM 1**

**Develop a lexical Analyzer to identify identifiers, constants, operators using C program.**

**Aim**:  
To identify and print the arithmetic operators +, -, \*, and / from a given input string.

**Code:**

#include <stdio.h>

int main() {

char ch;

printf("Enter a string of arithmetic expressions: ");

while ((ch = getchar()) != '\n') {

if (ch == '+' || ch == '-' || ch == '\*' || ch == '/') {

printf("Operator: %c\n", ch);

}

}

return 0;

}

**Output:**

