**Design a lexical Analyzer to validate operators to recognize the operators +,-,\*,/ using regular arithmetic operators using C**

**CODE:**#include <stdio.h>

#include <ctype.h>

int isOperator(char ch) {

return (ch == '+' || ch == '-' || ch == '\*' || ch == '/');

}

void lexicalAnalyzer(const char \*input) {

while (\*input) {

if (isspace(\*input)) { input++; continue; }

if (isOperator(\*input)) {

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

}

input++;

}

}

int main() {

char input[200];

printf("Enter a line: ");

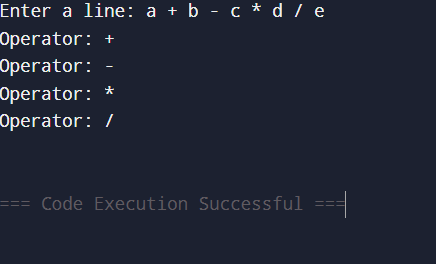
fgets(input, sizeof(input), stdin);

lexicalAnalyzer(input);

return 0;

}

**OUTPUT:**

****