Design a lexical Analyzer to validate operators to recognize the operators +,-,*,/ using regular Arithmetic operators .

PGM:

```
#include <stdio.h>
#include <string.h>

#define MAX_LENGTH 100

void checkOperators(const char *input) {
    int length = strlen(input);
    int i;

    printf("Identified operators:\n");

    for (i = 0; i < length; i++) {
        if (input[i] == '+' || input[i] == '-' || input[i] == '*' || input[i] == '/') {
            printf("Operator found: %c\n", input[i]);
        }
    }
}

int main() {
    char input[MAX_LENGTH];

    printf("Enter an arithmetic expression: ");
    fgets(input, MAX_LENGTH, stdin);

    // Remove newline character from the input if present
    input[strcspn(input, "\n")] = 0;
```

```
    checkOperators(input);

    return 0;
}
```

OUTPUT: