CSA1413 – COMPILER DESIGN FRO INTERMEDIATE LANGUAGE

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

PROGRAM:

```c
#include <stdio.h>

int main() {
    char ch;

    printf("Enter a character: ");
    scanf("%c", &ch);

    if (ch == '+' || ch == '-' || ch == '*' || ch == '/')
        printf("Valid arithmetic operator.\n");
    else
        printf("Invalid operator.\n");

    return 0;
}
```

OUTPUT:

```
Enter a character: +


Valid arithmetic operator.


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

```
Enter a character: -
Valid arithmetic operator.


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

```
Enter a character: *
Valid arithmetic operator.


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

```
Enter a character: /
Valid arithmetic operator.


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