INTRODUCTION

In this activity, you are to write a simple calculator that reads its input from a file.

TASK

Create a directory named *files* that hangs off your *activities* directory. Write a program named *calc.c* that reads three tokens from a file and performs a simple calculation. Here's an example:

Suppose the file *simple-sum* contains the line:

```
2 + 3
```

Then, we would expect the following result when running your program:

```
$ ./calc simple-sum
5.00
```

Modify your *simple-sum* file to include four different operations as given below:

```
5 + 2
5 - 2
5 / 2
5 * 5
```

In fact, your program should behave exactly like the program you wrote in the previous activity except the tokens are placed in a file rather than on the command line. Now modify your program *calc.c* such that you include a loop to cover all four operations. You don't need to use a backslash to protect the operators when reading from a file.

You must use the file operations: *fopen, fclose, fscanf* for this activity. Instead of fscanf, you can use fgetc as well. But make sure you ignore the space after reading the character. For getting operational character, you might have to use *fscanf* or *fgetc* twice as shown below.

```
ch = fgetc(in);
ch = fgetc(in);
```

or

```
fscanf(in,"%c",&ch);
fscanf(in,"%c",&ch);
```

SUBMISSION

Make sure your are in the *files* directory. Then run the command:

```
submit clab mr files <your-iiitb.org-email-address>
```