

Your task is to write a simple calculator that can add, subtract and multiply values in a set of registers. The syntax is quite simple:

```
<register> <operation> <value>
print <register>
quit
```

Allowed operations are add, subtract and multiply. Here is a simple example:

```
A add 2
A add 3
print A
B add 5
B subtract 2
print B
A add 1
print A
quit
```

The output should be:

```
5
3
6
```

The calculator should also support using registers as values, with lazy evaluation (evaluated at print), e.g. A multiply B. Here is another example:

```
result add revenue
result subtract costs
revenue add 200
costs add salaries
salaries add 20
salaries multiply 5
costs add 10
print result
QUIT
```

The output should be:

```
90
```

Additional requirements:

- Any name consisting of alphanumeric characters should be allowed as register names.
- All input should be case insensitive.
- The program should either take its input from the standard input stream, or from a file. When the program is launched with one command line argument, input should be read from the file specified in the argument. When accepting input from file, it should not be necessary to include quit to exit the program.
- Invalid commands can be ignored, but should be logged to the console.

You are allowed to use any programming language of your choice, provided you send us information on how to build and test your program on Windows.

You will be evaluated on the readability, simplicity and maintainability of the code. We will also test your program for major bugs and problems. The program should be easy to understand and make changes or additions to, e.g. adding a division operator.

Please keep all files anonymized!