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Elif statement → Calculator

Hard 13 minutes

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Let's write a simple calculator!

It will read 3 lines:

- the first number
- the second number
- the arithmetic operation.

Numbers are floats!

The output is the result of the following: `first_number operation second_number`.

Operations are: +, -, /, *, mod, pow, div.

mod — modulo operation, i.e. the remainder of the division `first_number % second_number`,

pow — exponentiation, the first number will be the base and the second — the power: `first_number ** second_number`,

div — integer division `first_number // second_number`.

Note that if the second number is 0 and you want to perform any of the operations `/`, `mod`, or `div`, the calculator should say `"Division by 0!"`

Report a typo

Sample Input 1:

```
5.0
0.0
mod
```

Sample Output 1:

```
Division by 0!
```

Sample Input 2:

```
-12.0
-8.0
*
```

Sample Output 2:

```
96.0
```

Sample Input 3:

```
5.0
10.0
/
```

Sample Output 3:

```
0.5
```

Write a program

[Code Editor](#) [IDE](#)

Python

```
1 # put your python code here
2 first_number = float(input())
3 second_number = float(input())
4 arithmetic_operation = str(input())
5 if arithmetic_operation == "pow":
6     print(first_number ** second_number)
7 elif arithmetic_operation == "+":
8     print(first_number + second_number)
9 elif arithmetic_operation == "-":
10    print(first_number - second_number)
11 elif arithmetic_operation == "*":
12    print(first_number * second_number)
13 elif arithmetic_operation == 'mod':
```

```
13 elif arithmetic_operation == 'mod':
14     print(first_number % second_number if second_number != 0 else 'Division by 0!')
15 elif arithmetic_operation == 'div':
16     print(first_number // second_number if second_number != 0 else 'Division by 0!')
17 elif arithmetic_operation == '/':
18     print(first_number / second_number if second_number != 0 else 'Division by 0!')
19
```

✓ Correct.

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