Calculator: We intend to demonstrate simple arithematic operations on numbers

```
1  # Takes three inputs
2
3  num1 = float(input("enter the 1st num:")) # Variable declaration
4  num2 = float(input("enter the 2nd num:"))
5
6  which_op = input("enter which type of calculation you need:")
7
8  # Built-in functions: input, print, float (to do type casting), ty
9
10 if which_op == "add":
11     print(num1 + num2)
12 elif which_op == "subtract":
13     print(num1 - num2)
14 elif which_op == "multiply":
15     print(num1 * num2)
16 elif which_op == "divide":
17     # Preemptively checking for ZeroDivisionError.
18     if num2 == 0:
19         print("divisor can't be zero")
20     else:
21         print(num1 / num2)
22 elif which_op == "power":
23     print(num1 ** num2)
24 elif which_op == "remainder": # This is also called modulo.
25     print(num1 % num2)
26 else:
27     print("please enter a valid operation")
```

1. How to take to input?

2. Arithematic Operators:
Assignment operator: Line 1
Equality operator: Line 4
Addition operator: Line 5
Modulo operator: Line 19

3. String comparison:
In line 10, 12, 14...: we are comparing value of string type variable with string literal.

Calculator: Output

```
 /usr/bin/env /bin/python3 /home/ashish/.vscode/extensions/ms-python.python-
Desktop/script.py
(base) ashish@ashish:~/Desktop$  /usr/bin/env /bin/python3 /home/ashish/.vsc
/launcher 36679 -- /home/ashish/Desktop/script.py
enter the 1st num 5
enter the 2nd num 6
enter which type of calculation you need add
11.0
(base) ashish@ashish:~/Desktop$ /bin/python3 /home/ashish/Desktop/script.py
enter the 1st num 10
enter the 2nd num 0
enter which type of calculation you need divide
divisor can't be zero
(base) ashish@ashish:~/Desktop$
```