Module 2 Lab 2 Solution

Welcome to our Lab Practice!

This lab is about arithmetic operations, more assignemnt operations from input(). Are you ready? Let's get started!

You will find some small tasks in sections below.

Arithmetic Operation

In this section, you are going to code and run arithmetic operations of two numbers.

Hint: to print out the equation, we can use the print() to print multiple values out.

For example, print(x, 'operator', y, '=', x operator y) for an operator.

###Task: Get some computation.

1. Assign x with 2, y with 3.
2. print out the equation and result of
3. x + y
4. x - y
5. x * y
6. x / y
7. x // y
8. x ** y
9. x % y

```python
x = 2
y = 3
print(x, '+', y, '=', x + y)
print(x, '-', y, '=', x - y)
print(x, '*', y, '=', x * y)
print(x, '/', y, '=', x / y)
print(x, '//', y, '=', x // y)
print(x, '**', y, '=', x ** y)
print(x, '%', y, '=', x % y)
```

```
2 + 3 = 5
2 - 3 = -1
2 * 3 = 6
2 / 3 = 0.6666666666666666
2 // 3 = 0
2 ** 3 = 8
2 % 3 = 2
```

###Task: Get some other computation.

1. Assign x with a value you like, y with another value you like.
2. print out the equation and result of
3. x + y
4. x - y
5. x * y
6. x / y
7. x // y
8. x ** y
9. x % y
10. Are there some value that will crash your program? Why?

```python
x = 4
y = 5
print(x, '+', y, '=', x + y)
print(x, '-', y, '=', x - y)
print(x, '*', y, '=', x * y)
print(x, '/', y, '=', x / y)
print(x, '//', y, '=', x // y)
print(x, '**', y, '=', x ** y)
print(x, '%', y, '=', x % y)
```

```
4 + 5 = 9
4 - 5 = -1
4 * 5 = 20
4 / 5 = 0.8
4 // 5 = 0
4 ** 5 = 1024
4 % 5 = 4
```

Get Inputs from Users

###Task: Help the User

1. Ask the user to enter an integer, convert and assign it to x;
2. Ask the user to enter another integer, convert and assign it to y;
3. print out the equation and result of
4. x + y
5. x - y
6. x * y
7. x / y
8. x // y
9. x ** y
10. x % y
11. Are there some value that will crash your program? Why?

```python
x = int(input('Enter an integer: '))
y = int(input('Enter another integer: '))
print(x, '+', y, '=', x + y)
print(x, '-', y, '=', x - y)
print(x, '*', y, '=', x * y)
print(x, '/', y, '=', x / y)
print(x, '//', y, '=', x // y)
print(x, '**', y, '=', x ** y)
print(x, '%', y, '=', x % y)
```

```
Enter an integer: 2
Enter another integer: 3
2 + 3 = 5
2 - 3 = -1
2 * 3 = 6
2 / 3 = 0.6666666666666666
2 // 3 = 0
2 ** 3 = 8
2 % 3 = 2
```