

Fill in the Value & Data Type of the assigned variable
- the assigned variable is named answer for each operation -

x = 10 y = 7	Operation Code	Value	Data Type	Operation
+	answer = x + y	<input type="text"/>		Addition
-	answer = x - y	<input type="text"/>		Subtraction
*	answer = x * y	<input type="text"/>		Multiplication
/	answer = x / y	<input type="text"/>		Division
//	answer = x // y	<input type="text"/>		Floor Division
%	answer = x % y	<input type="text"/>		MODulus
**	answer = x ** y	<input type="text"/>		Exponent (power of)

Create Your Own ... Number Buster



Your task is to write a program that will extract each digit of a 2 digit number.

The user will enter a 2 digit number such as 45 or 71. Using operators you have learned, output the first digit and the second digit of the number.

User Interface

- Your program will prompt the user for the 2 digit number.
- Your program will clearly output the first digit and second digit of the number.
- When completed, test your program with 90, 44, 19, 91, 09 and 00.

Some reflection thoughts

Did you write pseudocode for the challenge? ([Learning Outcomes 2.5 and 2.6](#))

If you did, include it below. Or include your algorithm?

What were the main challenges in developing a logically correct program? ([LOs 1.4 and 2.20](#))

Include some of your first attempts at developing the code. ([LOs 1.22 and 1.23](#))

Was it difficult to add a UI to the code? ([LO 2.6 and 2.7](#))

Predict the answers below and the data types

```
ans_1 = 4 + 5 / 1 + 2  
print(ans_1)
```

```
ans_2 = (4 + 5) / (1 + 2)  
print(ans_2)
```

```
x = 20  
y = 8
```

```
ans_3 = x // y  
print(ans_3)
```

```
ans_4 = x / y  
print(ans_4)
```

```
ans_5 = int(x / y)  
print(ans_5)
```

NOTES to YOURSELF