



Scan here or visit our website to register ->

<https://www.CapitalRoboticsClub.com>

Python Assignment 5

Python Basics:

Operators

Brought to you by



Robotics Team - VRC 99909A Rising Phoenix

Class Recap

Python divides the operators in the following groups:

https://www.w3schools.com/python/python_operators.asp

- **Arithmetic operators**
 - 4 basic mathematical operations, % (Modulus -> Remainder), ** (power)
- **Assignment operators**
 - = (equal sign in programming doesn't mean equal at all. It merely gives the value on the right to the variable on the left.
- **Comparison operators**
 - ==, !=, <, > ("==" means equal in programming)
- **Logical operators**
 - and, or, not
- Identity operators
- **Membership operators**
 - in, not in
- Bitwise operators

Assignment 1:

```
number = 1 + 2 * 3 / 4.0
```

What value is the number? (don't calculate yourself! Write Python code to do it for you!)

Assignment 2:

```
number = 11 % 3
```

What value is the number? What is it anyway?

Assignment 3:

```
number = 5**2
```

What value is the number?

Assignment 4:

```
number = 5**3
```

What value is the number?

Assignment 5:

Now let's try some really big numbers!

```
number = 156**204
```

What value is the number? This time you can try to calculate the number yourself (no calculator though).

Does your answer match your code?

How long did it take you (or were you able to do it at all)?

How long did it take your program to do it?

Assignment 6 - CodingBat:

Review this first: <https://codingbat.com/doc/python-strings.html>

Warmup-2 > string_times

<https://codingbat.com/prob/p193507>

String-1 > first_half

<https://codingbat.com/prob/p107010>