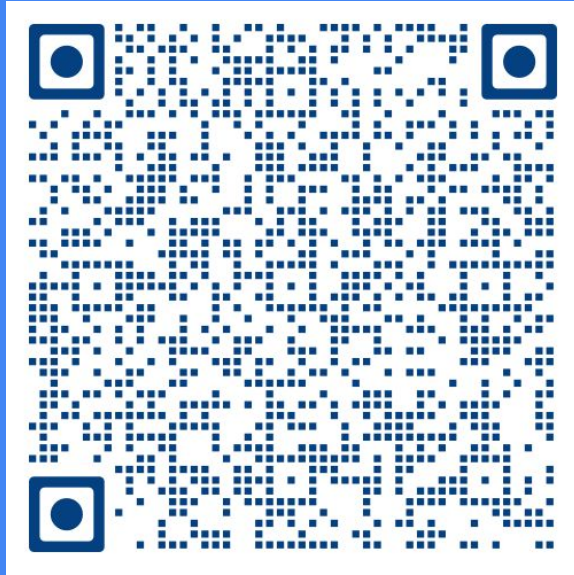


Python Course

Armin Mokhtari



Syntax, variable assignment, and numbers



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Assigning Variables

Assigning Variables:

Put the variable name here **=** And put the value here

SOME EXAMPLES

Assigning Variables:

- **In Python, the declaration happens automatically.**
 - Declaration happens based on the value you enter.
- **Python is case-sensitive.**
- **Multiple assignment is available in Python.**

Python Data types:

- Number
 - int 2
 - float 2.0
 - complex $1 + 2j$
- String "apple"
- Range range(3)
- Bool True / False
- List [1, 1, "apple"]
- Tuple (1, 1, "apple")
- Set {1, "apple"}
- Dictionary
{ "col" : "blue", "size" : 16, "price" : "high" }

Numbers and Arithmetic

Numbers and Arithmetic

$x + y$

Addition

$x - y$

Subtraction

$x * y$

Multiplication

x / y

True division

Numbers and Arithmetic

$x // y$

Floor division

$x \% y$

modulus (Integer remainder)

$x ** y$

Exponentiation

$-x$

Negation

SOME EXAMPLES

Order of Operations

It is called PEMDAS, but let's call it GEMDAS.

- **Grouping symbols (), [], —, sqrt, exponent**
- **Exponents**
- **Multiplication & Division**
- **Addition & Subtraction**

Builtin functions

- **min()**
- **max()**
- **abs()**
- **float()**
- **int()**

SOME EXAMPLES

Thanks!



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