

Python

Mathematical Operators

Albert Zaqaryan Lesson 3

Simple Mathematical Operators

```
x = 8    print(x + y)
y = 4    print(x - y)
         print(x * y)
         print(x / y)
```

```
z = x + y    print(z)    12
z = x - y    print(z)    4
z = x * y    print(z)    32
z = x / y    print(z)    2
```

↑
Output:

Arithmetic Operation

Modulo %

Getting the remainder of the division.

Arithmetic Operation

```
x = 7      result = x % y   print(result)  2  
y = 5      print(x % y)    2
```

↑
Output:

Arithmetic Operation

//

Getting the integer part from division.

Arithmetic Operation

```
x = 10    result = x / y    print(result)    3  
y = 3     print(x / y)     3
```

↑
Output:

Arithmetic Operation

Exponentiation

Arithmetic Operation

```
x = 4      result = x ** y  print(result)  64  
y = 3      print(x ** y)   64
```

↑
Output:

Arithmetic Operation

Self Assignment

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Self Assignment

balance = 100

paycheck = 150

balance = balance + paycheck

Self Assignment

`balance = 100`

`balance = balance + 150`

`balance += 150`

Self Assignment

$x = 5$

$y = 7$

$x > y$ False

$x < y$ True

$x \leq y$ True

$x \geq y$ False

Self Assignment

`x = 5`

`y = 7`

`x == y` `False`

`x != y` `True`

Homework

1. Write code to print `pypypypython`
2. Write code to print `7p7p7p79`
3. Write code to print `99999999`
4. Write a Python program that checks how much money you have on your card. At first, your balance is 0, and you have 3 inputs and add each of them to the card.
5. Create 7 legal variables and check type of them.
6. Create 10 variables integer and float and compare this variables.

Homework

7.Create a python program which convert the pound in kilograms.

8.Create a python program which convert the miles in kilometers.