



Big Data with Python

By Odin Outsourcing



Motivational video

1. [Coding is not difficult](#)
2. [Abu's Story](#)
3. [How Search Works](#)

Online Resources

Video:

1. Learn Python (from [freeCodeCamp.org](https://www.freecodecamp.org))
2. Python Programming (from [Derek Banas YouTube](#))

Web Links:

1. [GeeksForGeeks Python](#)
2. [Visualized Python Programming](#)

Essential Software

Python Interpreter: [Download Python 3.5+](#)

IDE: [PyCharm](#)

Online Python IDE: [Python GeeksForGeeks](#)

Syntextual Python (1)

Basic Printing ...

Start

1. `print("Hello ODIN")` # Double Quotation
2. `print('Hello ODIN')` # Single Quotation

End

Syntextual Python (2)

Basic Printing ...

Start

3. `print('4'+5)`

4. `print('Hello', 'how is your job going?')`

5. `print('4'+5)`

6. `print(int('4')+5)`

End

Syntextual Python (3)

Basic Printing ...

Start

print(111) # Integer Number

print(19.71) # Floating Number

End

Syntextual Python (4)

Basic Calculation ...

1. `print(4+5)`
2. `print(4.6+9)`
3. `print(4-6)`
4. `print(8*8)`
5. `print(24/5)`
6. `print(24//5)`
7. `print(24%5)`
8. `print(2**3)`

Syntextual Python (5)

Basic Calculation ...

9. `print(4+5-6)`

10. `print(4*5-6)`

11. `print(4+(5-6)+(7*3)+(14//3))`

12. `print(4**(6-2)+(7*3)+(14%3))`

Syntextual Python (6)

Print using: format()

1. `print('{ } { } { }'.format(4, 5, 6))`
2. `print('A = { }, B = { }, C = {}'.format(4, 5, 6))`
3. `print('Our company name is: {}'.format('Odin Outsourcing'))`

Variable & Value (1)

START

$a = 0$

$a = 4$

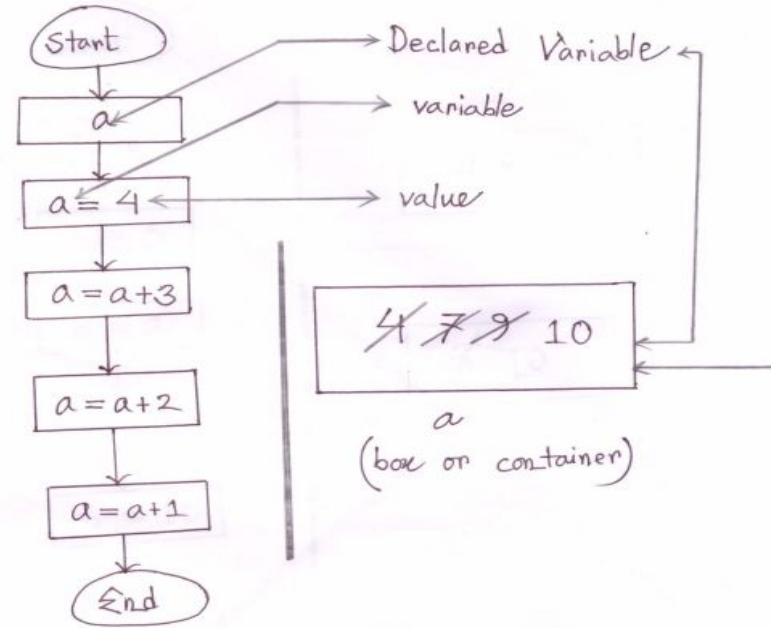
$a = a + 3$

$a = a + 2$

$a = a + 1$

END

Basic Development : ①



As soon as a variable declared, it allocates a space in computer memory (RAM).

Variable & Value (2)

START

$a, b = 0, 0$

$a = 5$

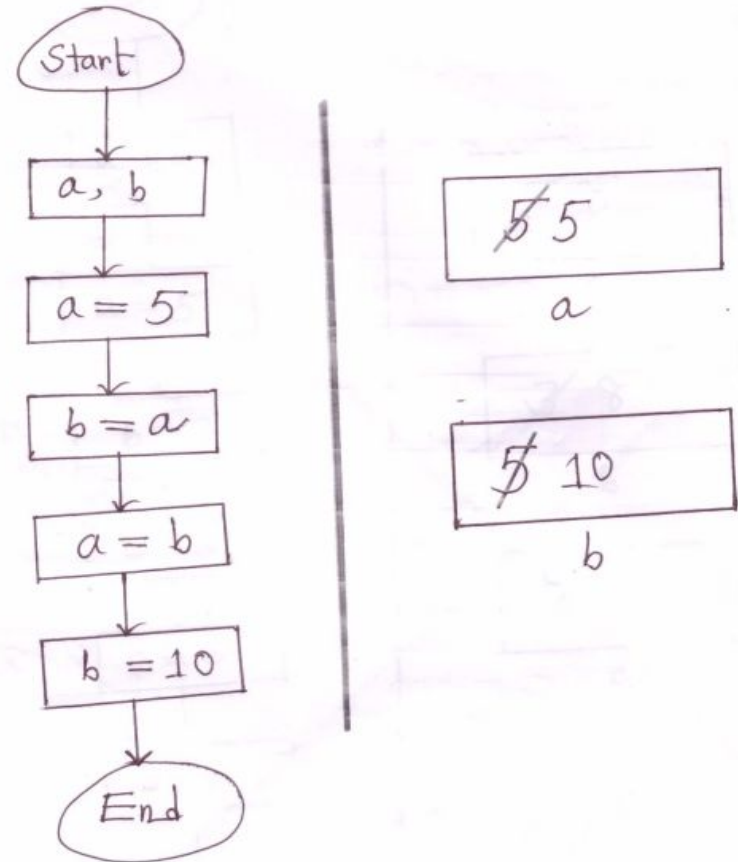
$b = a$

$a = b$

$a = 10$

END

Basic Development : ②



Variable & Value (3)

$a, b, c = 0, 0, 0$

$a = 5$

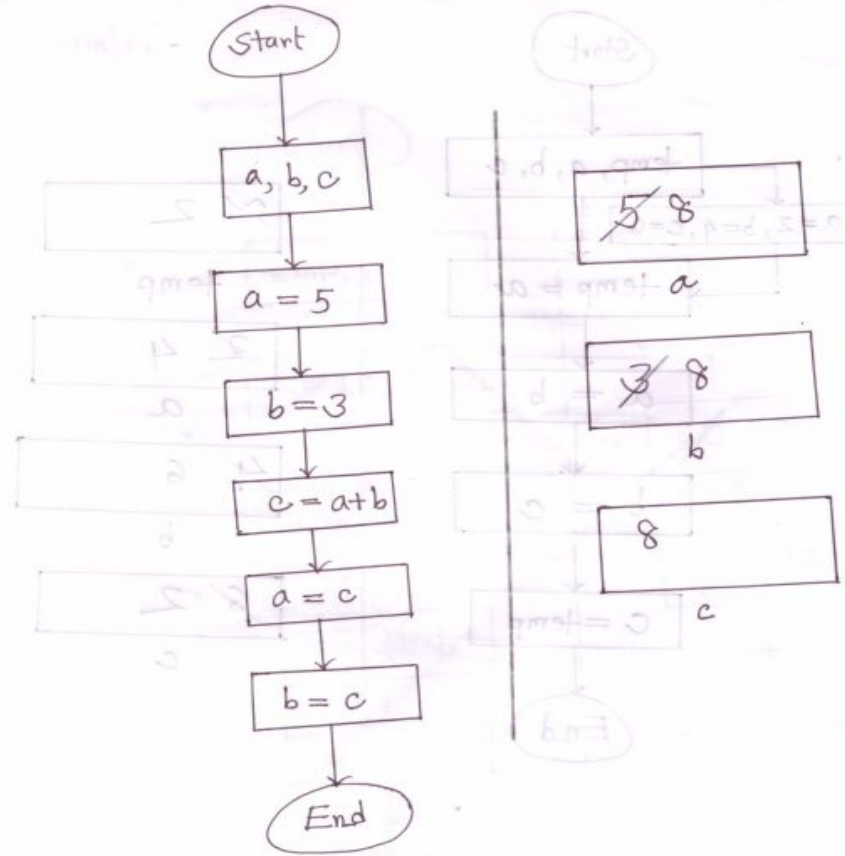
$b = 3$

$c = a + b$

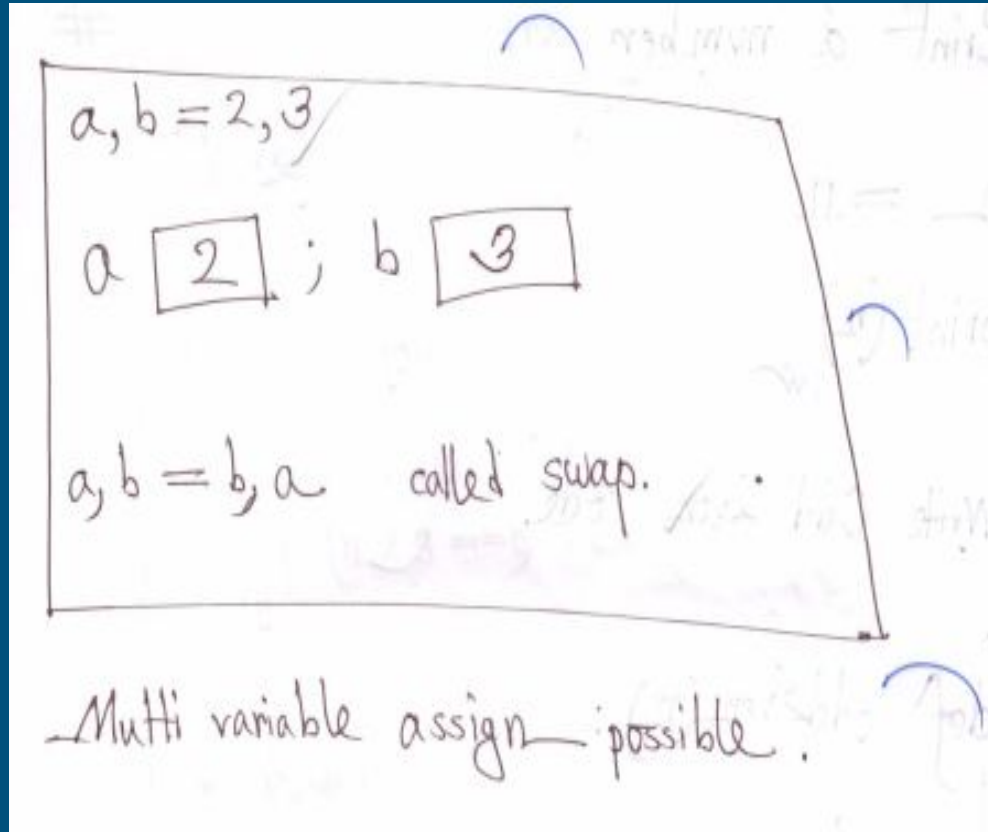
$a = c$

$b = c$

Basic Development : ③



Variable & Value (4)



Input from Keyboard

Read variable

`n = int(input())` // Read an integer number

`n = float(input())` // Read a floating number

`n = input()` // Read ~~an~~ a line text

Contract your instructor!

Find Me: <http://rafsanjani.pythonanywhere.com/contact>

Course Website: <https://mrzresearcharena.github.io/Big-Data-using-Python>



Thank you!