



# Big Data with Python

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By Odin Outsourcing



# Motivational video

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

# Online Resources

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## 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

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

IDE: [PyCharm](#)

Online Python IDE: [Python GeeksForGeeks](#)

# Syntextual Python (1)

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## Basic Printing ...

# Start

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

# End

# Syntextual Python (2)

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## 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)

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## Basic Printing ...

# Start

print(111) # Integer Number

print(19.71) # Floating Number

# End

# Syntextual Python (4)

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## 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)

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## 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)

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## 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

$a = 0$

$a = 4$

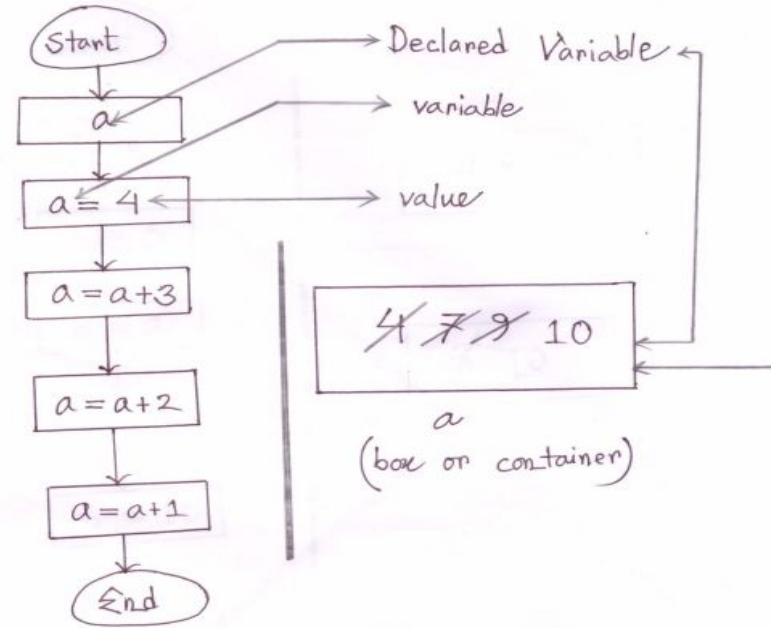
$a = a + 3$

$a = a + 2$

$a = a + 1$

# END

# Basic Development : ①



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

# Variable & Value (2)

# START

$a, b = 0, 0$

$a = 5$

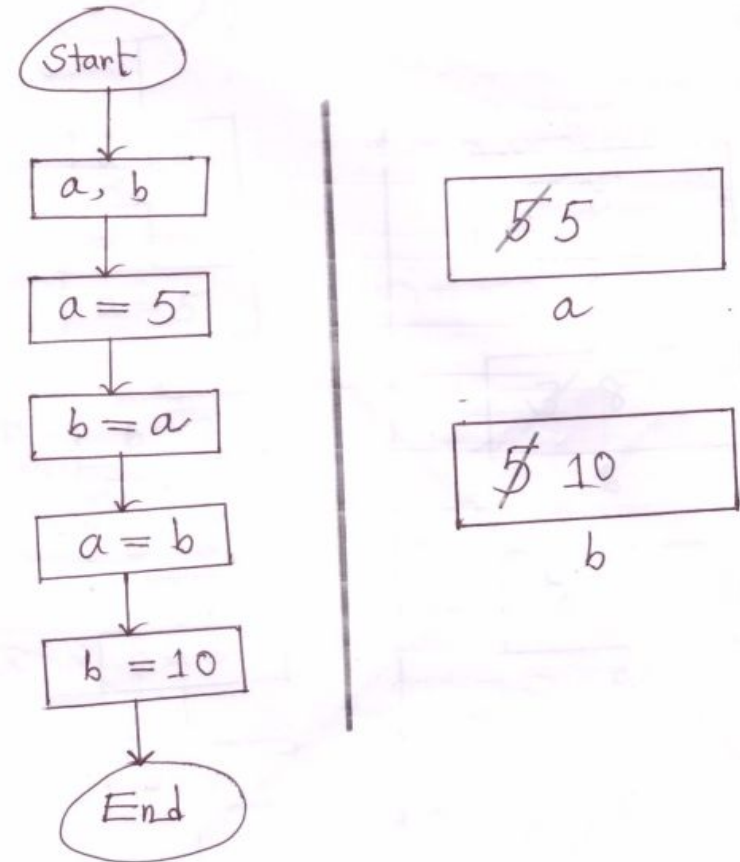
$b = a$

$a = b$

$a = 10$

# END

# Basic Development : ②



# Variable & Value (3)

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

$a = 5$

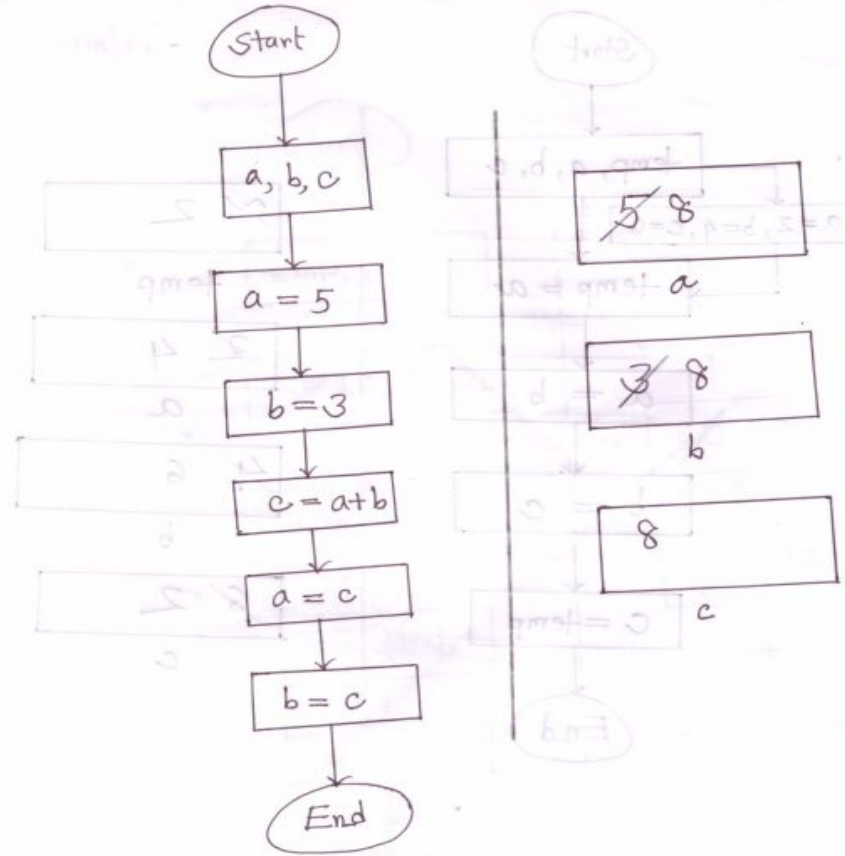
$b = 3$

$c = a + b$

$a = c$

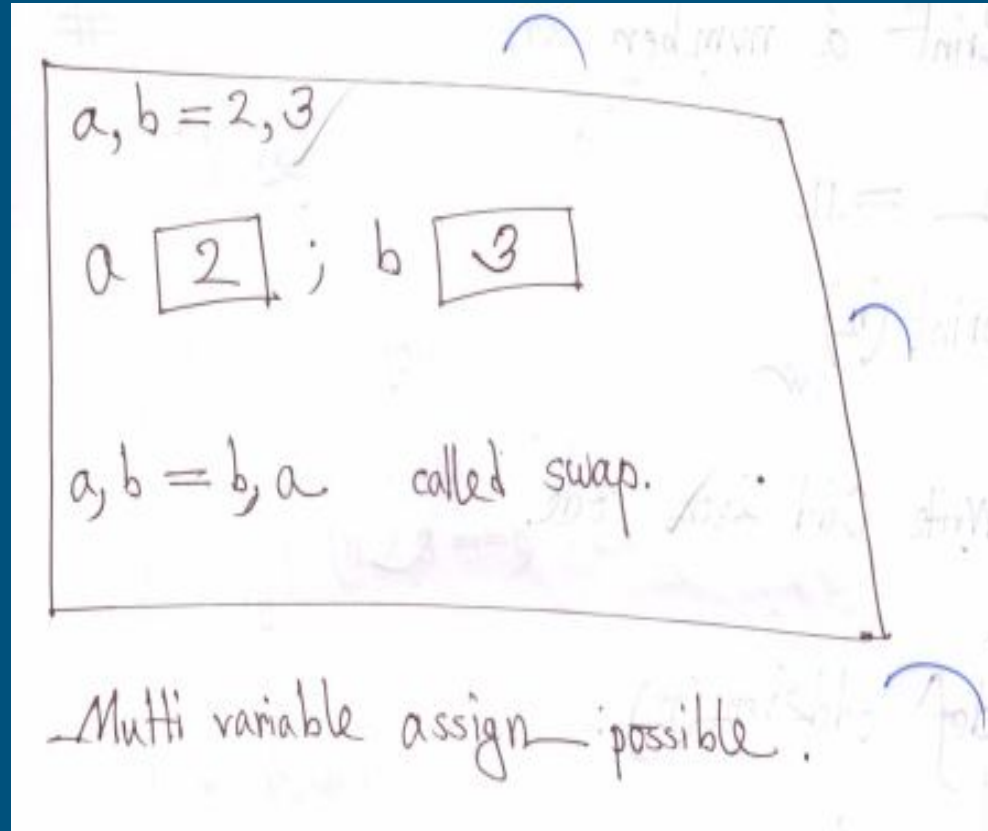
$b = c$

Basic Development : ③



## Variable & Value (4)

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# 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!

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

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





**Thank you!**