

PyThon

Date

No

Python

Print

Print ("text Hello")

output: text Hello

variable

متغير (متغير) يكتب نوع المتغير

x = 4

y = "Dina"

print(x)

print(y)

4
Dina

Casting

تحويل (Casting) نوع المتغير

x = str(3)

y = int(3)

z = float(3)

تحويل (Casting) نوع المتغير

x = 5

y = "Dina"

Print(type(x)) int

print(type(y)) str

String

x = "Dina"

x = 'Dina'

Complex type

x = 3+5j

y = 5j

z = -5j

Random

import random

print(random.randrange(1,10))

Booleans

Print(10 > 9) # True

Print(10 == 9) # False

Print(10 < 9) # False

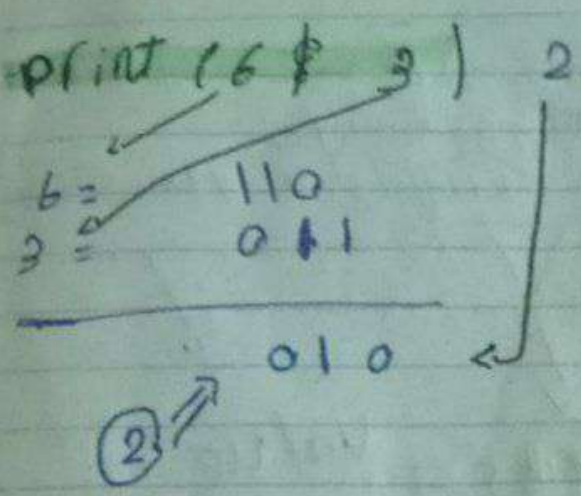
Operator

print(10+5) # 15

AND / or

```

X = 5
print (X > 3 or X < 4) # true
print (X > 3 and X < 10) # true
    
```



is is not

```

X = ["apple", "banna"]
y = ["apple", "banna"]
z = X

print (X is z) # true
    
```

لأن 2 نفس X

```

print (X is y) # false
    
```

لأن 2 نفس X ليستو على نفس content

```

print (X == y) # true
    
```

لأن 2 نفس X ليستو على نفس content

in

```

X = ["apple", "banna"]
print ("banna" in X) # true
    
```

LIST

قائمة

```

my_list = ["a", "b", "a", "b"]
my_list2 = ["a", 5, true, "b"]
print (my_list)
print (my_list2)
    
```

```

print (my_list[1]) # b
print (my_list[2:5]) # a, b, a, b
print (my_list[2:4]) # a, b, a
print (my_list[2:]) # a, b, a, b
    
```

1 = index من البداية
 2 = index من البداية
 3 = index من البداية
 4 = index من البداية

for i in range

5, 0, 1
start point
end point
step

lower
my_string = "Hello"
lower_s = my_string.lower()
print(lower_s)
hello

تو اکر کابل (1) صول

array = [1, 2, 3]
[4, 5, 6]
[7, 8, 9]

arr = [[1, 2, 3],
[4, 5, 6],
[7, 8, 9]]

row (row) row

for row in arr
print(*row)
print()

row

list

list = [:]

step

Dictionary

User = { "name": "Dina",
"age": 90,
"skills": ["HTML", "CSS"] }

keys value

keys (key) value

tuple

mytuple = ("Ali", 5, True)

sets - not indexed
not order

myset = { "Ali", 100 }

function
def name ()