>>> introduction to Python

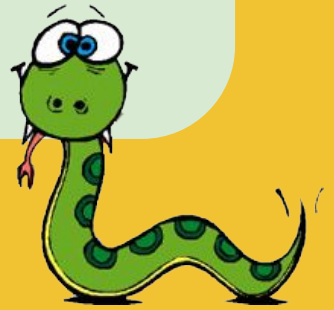
"No compres un videojuego, créalo.
No te bajes una aplicación móvil, desarróllala."

Barack Obama, expresidente de EE.UU.

python

Repaso

Tipos de datos: string, int, float, boolean ...
print(“texto”)
Operaciones matemáticas: + - / * ** % ...
Variables *nombre_variable* = *valor*
Errores
Comentarios #



>>> print (“learning python”);

Operador	Descripción	Ejemplo
+	Suma	`r = 3 + 2  # r es 5`
-	Resta	`r = 4 - 7  # r es -3`
-	Negación	`r = -7  # r es -7`
*	Multiplicación	`r = 2 * 6  # r es 12`
**	Exponente	`r = 2 ** 6  # r es 64`
/	División	`r = 3.5 / 2  # r es 1.75`
//	División entera	`r = 3.5 // 2 # r es 1.0`
%	Módulo	`r = 7 % 2  # r es 1`

python

Type Conversion

int: integer
float: float
str: string

```
print(int("2") + int("3"))
```

python

Conditional operators

Equal to (**==**) *= es para asignar!*
Not equal to (**!=**)
Less than (**<**)
Less than or equal to (**<=**)
Greater than (**>**)
Greater than or equal to (**>=**)

python

Input

```
a = input("Enter something: ")          Python3
b = raw_input ("Enter something: ")     Python2

print(a)
```

python

Control Flow

```
instruction1
instruction2
if
    instruction3
instruction4
...
```

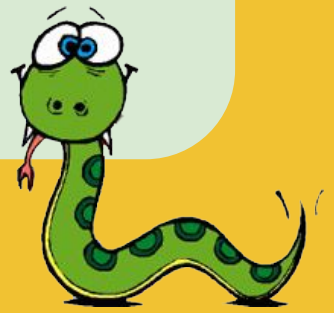
*Sangría 4 espacios

Control Flow: If

if *condition1*:
action1

Control Flow: If

if *condition1*:
action1
if *condition2*:
action2



Esto funciona como dos bloques independientes

Control Flow: If

```
if condition1:
    action1
else:
    action2
```

python

Esto funciona como un solo bloque

Control Flow: If

```
if condition1:
    action1
elif condition2:
    action2
elif condition3:
    action3
```

Esto funciona como un solo bloque

Control Flow: If

```
if condition1:
    action1
elif condition2:
    action2
else:
    action3
```

python

Esto funciona como un solo bloque

Control Flow: If

```
if 8 <= 9:
    print ("True")
else:
    print (“False”)
```

python

Loops (bucles)

```
instruction1
instruction2
loop
    instruction3
...
```

Control Flow: for

```
a = 0
for i in range(5):
    a += 1
    print (a)
```

python

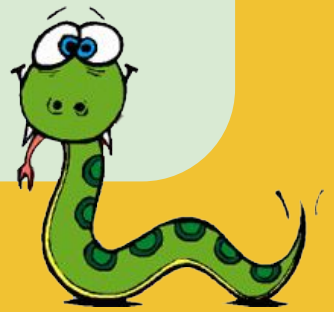
Functions

print(“hello”)	
len(“hello”)	*length of the text*
len(numbers)	*length of the list*
del numbers[2]	*delete position*

python

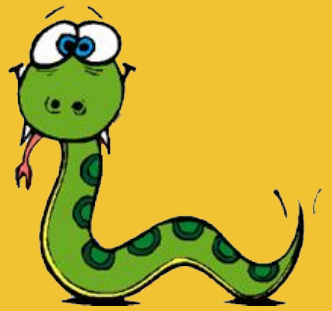
Math functions

max(1,2,3) > biggest_number
min(1,2,3) > smallest_number
abs(-10) > distance_from_zero
type (*argument*)



>>> print (“functions”)

Ada Lovelace: la primera programadora



python

Nick D’Aloisio: Summly App

python