Chapter 6: The Dynamic Typing Interlude

Extractos de codigo del libro Learning Python 5th Ed. by Mark Lutz

OBJETOS INMUTABLES

Los objetos integer no son mutables:

```
In [3]: a = 3
b = a
a = a + 2  # b es 3
print("b es ", b)

b es 3
```

OBJETOS MUTABLES

Listas

Copia de objetos en vez de referencia:

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Shared References and Equality

- Operador == igualdad de valores.
- Operador is identidad de objetos.

```
In [11]: L = [1, 2, 3]
         M = L
                                     # M and L reference the same object
                                     # True: Same values => operador igual
         L == M
         dad de valores
         L is M
                                     # True: operador identidad de objeto
         s: compara las referencias (los punteros)
Out[11]: True
In [15]: L = [1, 2, 3]
         M = [1, 2, 3]
                           # M and L reference different objects
         print(
             "L == M",
                                         # True: Same values
             L == M
         )
             "L is M", # False: operador identidad de objetos: compara l
         as referencias (los punteros)
             L is M
         L == M True
         L is M False
```

CACHE

Because small integers and strings are cached and reused, though, is tells us they reference the same single object.

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```
In [ ]: X = 42
Y = 42  # Should be two different objects

X == Y  # True
X is Y  # True: Same object anyhow: caching at wor
k!!!!!!!!
```

Averiguar el numero de refencias a un objeto:

Out[16]: 3514

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