

x = "hello world"

yes!!! where!!!

y + = "world"

$x = y \# \Rightarrow \text{True}$

x is y $\# \equiv \geq$ False

id(~~x~~)#>=4455464720

id(y) # = 4455960848

4 > 3 is not True # What's the output?



Identity Crisis

```
x = "hello world"  
y = "hello "  
y += "world"
```

```
x == y    # => True  
x is y    # => False
```

```
id(x)     # => 4455464720  
id(y)     # => 4455960848
```

```
4 > 3 is not True    # What's the output?  
# => True
```

a is not b
is syntactic sugar for
not (a is b)

Analogy

is checks if the suitcases are the same

== checks if they have the same stuff inside