



PYTHON

KEYWORDS

Cheat Sheet part 2



Keywords

if, elif, else

Conditional program execution: program starts with “if” branch, tries the “elif” branches, and finishes with “else” branch (until one branch evaluates to True).

Code example

```
x = int(input("your value: "))  
if x > 3: print("Big")  
elif x == 3: print("Medium")  
else: print("Small")
```

for, while

```
# For loop declaration  
for i in [0,1,2]:  
    print(i)
```

Code example

```
# While loop - same semantics  
j = 0  
while j < 3:  
    print(j)  
    j = j + 1
```

in

Checks whether element is in sequence

Code example

```
42 in [2, 39, 42] # True
```

is

Checks whether both elements point to the same object

Code example

```
y = x = 3  
x is y # True  
[3] is [3] # False
```

None

Empty value constant

Code example

```
def f():  
    x = 2  
    f() is None # True
```

lambda

Function with no name (anonymous function)

Code example

```
(lambda x: x + 3)(3) # returns 6
```

return

Terminates execution of the function and passes the flow of execution to the caller. An optional value after the return keyword specifies the function result.

Code example

```
def incrementor(x):  
    return x + 1  
incrementor(4) # returns 5
```



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