

PYTHON MEMBERSHIP OPERATORS EXAMPLE

http://www.tutorialspoint.com/python/membership_operators_example.htm

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Python's membership operators test for membership in a sequence, such as strings, lists, or tuples. There are two membership operators as explained below

Operator	Description	Example
in	Evaluates to true if it finds a variable in the specified sequence and false otherwise.	x in y, here in results in a 1 if x is a member of sequence y.
not in	Evaluates to true if it does not finds a variable in the specified sequence and false otherwise.	x not in y, here not in results in a 1 if x is not a member of sequence y.

Example

```
#!/usr/bin/python

a = 10
b = 20
list = [1, 2, 3, 4, 5 ];

if ( a in list ):
    print "Line 1 - a is available in the given list"
else:
    print "Line 1 - a is not available in the given list"

if ( b not in list ):
    print "Line 2 - b is not available in the given list"
else:
    print "Line 2 - b is available in the given list"

a = 2
if ( a in list ):
    print "Line 3 - a is available in the given list"
else:
    print "Line 3 - a is not available in the given list"
```

When you execute the above program it produces the following result:

```
Line 1 - a is not available in the given list
Line 2 - b is not available in the given list
Line 3 - a is available in the given list
```