

PROGRAM 3

Aim: Write a program to implement membership operators in python.

Code:

Membership operators

```
a=1
b=1
c="softcomputing"
d="softcomputing"
e=4
f=5
g=[1,2,3]
h=[1,2,3]
a is not b
a is b
c is d
c is not d
e is f
e is not f
g is h
g is not h

x = 'Soft Computing'
y = {1:'a',2:'b'}
print('S' in x)
print('Computer' not in x)
print('Computing' not in x)
print(1 in y)
print(3 in y)
print('b' in y)
print(2 in y)
```

PROGRAM 3

Output:

```
jupyter membership_operators1 Last Checkpoint: Last Monday at 10:03 AM (autosaved)
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[Icons] [Run] [Code]

In [10]: a is not b
Out[10]: False

In [11]: a is b
Out[11]: True

In [12]: c is d
Out[12]: True

In [13]: c is not d
Out[13]: False

In [14]: e is f
Out[14]: False

In [15]: e is not f
Out[15]: True

In [16]: g is h
Out[16]: False

In [17]: g is not h
Out[17]: True
```

```
jupyter membership_operators2 Last Checkpoint: Last Monday at 10:10 AM (autosaved)
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[Icons] [Run] [Code]

In [29]: x = 'Soft Computing'
         y = {1:'a',2:'b'}

In [30]: print('S' in x)
True

In [31]: print('Computer' not in x)
True

In [32]: print('Computing' not in x)
False

In [33]: print(1 in y)
True

In [34]: print(3 in y)
False

In [35]: print('b' in y)
False

In [36]: print(2 in y)
True
```