8/21/2019 Python5

```
In [1]: x = False
        y = True
In [2]: x and y #if any value is False then the value is False
Out[2]: False
In [3]: x or y #if any value is True then the value is True
Out[3]: True
In [4]: z = False
        x and y and z
Out[4]: False
In [5]: x
Out[5]: False
In [6]: not x
Out[6]: True
In [7]: y
Out[7]: True
In [8]: not y
Out[8]: False
In [9]: x and y
Out[9]: False
```

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```
In [10]: not (x and y)M
Out[10]: True
```

Membership Operations and Identity Operation

Identity points to value allocated in memory

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```
In [20]: id(a)
    #now the id of a

Out[20]: 8791024454704

In [21]: id(b)
Out[21]: 8791024451504

In [22]: b = 200 # changes the value to a

In [23]: id(b)
Out[23]: 8791024454704

In []:
```