Experiment 2

Aim: To implement Comparison Operators using Python.

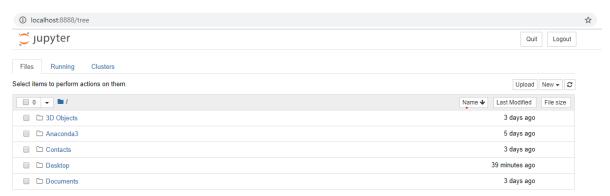
Theory: Comparison Operators:

Assume two variables a and b.

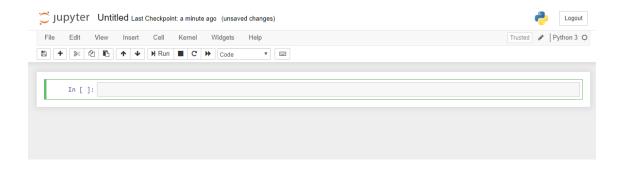
Comparison Operator	Symbol	Description	Example
Equal	==	If the operands are equal, it gives	a==b
		"True" as output.	
Not equal	!=	If the operands are not equal, it	a!=b
		gives "True" as output.	
Greater than	>	If the first operand is greater than	a>b
		second operand, it gives "True"	
		as output.	
Less than	<	If the first operand is less than	a <b< td=""></b<>
		second operand, it gives "True"	
		as output.	
Greater than or equal to	>=	If the first operand is greater than	a>=b
		or equal to the second operand, it	
		gives "True" as output.	
Less than or equal to	<=	If the first operand is less than or	a<=b
		equal to the second operand, it	
		gives "True" as output.	

Steps:

1. Open Jupyter Notebook.



2. Open a New File by clicking New → Python3; a new python3 file opens, where we will be writing the codes.



3. Example Code: #a equals to b

indicates this is a comment

a==b

using == operator to compare a and b

4. To obtain the result, press "Ctrl+Enter".

Code: In: #equals to

45==54

Out: False

In: #not equals to

54!=46

Out: True

In: #greater than

45>32

Out: True

In: #less than

56<43

Out: False

Observation: The return type is a Boolean value (i.e. True or False).

Practice Questions:

- 1. Write and implement a code to compare the values "10" and "5" using "greater than or equal to" operator.
- 2. Implement a code using the comparison operator "equal to" to compare two values "62" and "26". Write the observations.
- 3. Write and implement a code to compare the values "20" and "20" using less than or equal to operator. Write the observations.