

Detail Relational Operator

	<	<=	>	>=	==	!=
int	✓	✓	✓	✓	✓	✓
float	✓	✓	✓	✓	✓	✓
bool	✓	✓	✓	✓	✓	✓
complex	✗	✗	✗	✗	✓	✓
str	✓	✓	✓	✓	✓	✓

Complex

- Relational operator can perform using int float bool and string but in complex it will not lets see why.

a = 5+6j

b = 9+8j

a < b . #error

- Because it will have 2 elements that are real and imaginary . Which one should be compared a real part or imaginary part . It can't be compared . So , it is not possible .

String

- String are compared based on there dictionary order

s1= " America" s2= " Brazil "

s1<s2 — — —> True

What if a string have same alphabet

s1= "Brazil " s2= " Bracket "

s1<s2 — — —> True

Because in dictionary Bracket will come first then Brazil so s1 Is less than s2

What if we have

s1 = " brazil" s2="Brazil "

Both are not same cause python is case sensitive

s1<s2 — — —> False

Because uppercase letter is lower then the lowercase . So , s1 is not less than s2