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| **Comparison Operators Overloading** |
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| **Write a progrom to overload the following Comparison Operators. <  >  <=  >=  ==  !=** |
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class **c1**:

def **\_\_init\_\_**(*self*,a,b):

*self*.x=a

*self*.y=b

return

def **\_\_lt\_\_**(*self*,other):

print(*"LESS THAN"*)

a=*self*.x<other.x

b=*self*.y<other.y

return a,b

def **\_\_gt\_\_**(*self*,other):

print(*"GRETER THAN"*)

a=*self*.x>other.x

b=*self*.y>other.y

return a,b

def **\_\_le\_\_**(*self*,other):

print(*"LESS THAN EQUAL"*)

a=*self*.x<=other.x

b=*self*.y<=other.y

return a,b

def **\_\_ge\_\_**(*self*,other):

print(*"GRETER THAN EQUAL"*)

a=*self*.x>=other.x

b=*self*.y>=other.y

return a,b

def **\_\_eq\_\_**(*self*,other):

print(*"EQUAL"*)

a=*self*.x==other.x

b=*self*.y==other.y

return a,b

def **\_\_ne\_\_**(*self*,other):

print(*"NOT EQUAL"*)

a=*self*.x!=other.x

b=*self*.y!=other.y

return a,b

o1=c1(10,20)

o2=c1(30,40)

print(o1<o2)

print(o1>o2)

print(o1<=o2)

print(o1>=o2)

print(o1==o2)

print(o1!=o2)

