



```
== --> object.__eq__(self,other)
!= --> object.__ne__(self,other)
```

### Overloading > and <= operators for Student class objects:

```
1) class Student:
2)     def __init__(self,name,marks):
3)         self.name=name
4)         self.marks=marks
5)     def __gt__(self,other):
6)         return self.marks>other.marks
7)     def __le__(self,other):
8)         return self.marks<=other.marks
9)
10)
11) print("10>20 =",10>20)
12) s1=Student("Durga",100)
13) s2=Student("Ravi",200)
14) print("s1>s2=",s1>s2)
15) print("s1<s2=",s1<s2)
16) print("s1<=s2=",s1<=s2)
17) print("s1>=s2=",s1>=s2)
```

### Output:

```
10>20 = False
s1>s2= False
s1<s2= True
s1<=s2= True
s1>=s2= False
```

### Program to overload multiplication operator to work on Employee objects:

```
1) class Employee:
2)     def __init__(self,name,salary):
3)         self.name=name
4)         self.salary=salary
5)     def __mul__(self,other):
6)         return self.salary*other.days
7)
8) class TimeSheet:
9)     def __init__(self,name,days):
10)        self.name=name
11)        self.days=days
12)
13) e=Employee('Durga',500)
14) t=TimeSheet('Durga',25)
15) print('This Month Salary:',e*t)
```

**Output:** This Month Salary: 12500