In [8]:
```python
#equality check - True
my_favourite_number = 3
my_least_favourite_number = 5
a_neutral_number = 1
my_favourite_number == 3
```

Out[8]: True

In [6]:
```python
#Equality Check - False
my_favourite_number == my_least_favourite_number
```

Out[6]: False

In [10]:
```python
#Equality Check - False
my_favourite_number == a_neutral_number
```

Out[10]: False

In [12]:
```python
favourite_number = 4
least_favourite_number = 8
a_even_number = 10
```

In [15]:
```python
favourite_number == a_even_number
```

Out[15]: False

In [16]:
```python
least_favourite_number != a_even_number
```

Out[16]: True

In [17]:
```python
favourite_number == least_favourite_number
```

Out[17]: False

In [18]:
```python
favourite_number >= least_favourite_number
```

Out[18]: False

In [19]:
```python
least_favourite_number != a_even_number
```

Out[19]: True

In [21]:
```python
a_even_number == least_favourite_number
```

Out[21]: False

In [22]:
```python
a_even_number >= favourite_number
```

Out[22]: True

In [24]:
```python
least_favourite_number <= favourite_number
```

Out[24]: False

In [25]:
```python
favourite_number > a_even_number
```

Out[25]: False

In [26]:
```python
4 + 8 <= 12
```

Out[26]: True

In [27]:
```python
favourite_number + a_even_number <= 14
```

Out[27]: True

In [28]:
```python
4 + 8 != 12
```

Out[28]: False

In [ ]:
```python
x = int(input("enter a first number"))
y = int(input("enter a second number"))
sum = x+y
print("sum is",sum)
```

In [1]:
```python
x = int(input("enter a first number:"))
y = int(input("enter a second number:"))
sum = x+y
print("sum is:",sum)
```

```
enter a first number:6
enter a second number:8
sum is: 14
```

In [3]:
```python
cost_of_ice_bag = 16.25
is_ice_bag_expensive = cost_of_ice_bag >=9
print("is the ice bag expensive?",is_ice_bag_expensive)
```

```
is the ice bag expensive? True
```

In [6]:
```python
favourite_number = 4
least_favourite_number = 8
a_even_number = 10
```

In [7]:
```python
a_even_number != 10 or favourite_number < 0
```

Out[7]: False

In [8]:
```python
favourite_number < 0 or True
```

Out[8]: True

In [11]:
```python
a_even_number > 10 or True
```

Out[11]: True

In [12]:
```python
not False
```

Out[12]: True

In [13]:
```python
not a_even_number ** 10
```

Out[13]: False

In [14]:
```python
not favourite_number < 6
```

Out[14]: False

In [ ]: