**Comparison Operators**

In this lecture we will be learning about Comparison Operators in Python. These operators will allow us to compare variables and output a Boolean value (True or False).

If you have any sort of background in Math, these operators should be very straight forward.

First we'll present a table of the comparison operators and then work through some examples:

**Table of Comparison Operators**

In the table below, a=3 and b=4.

Let's now work through quick examples of each of these.

**Equal**

In [1]:

2 == 2

In [2]:

1 == 0

Note that == is a *comparison* operator, while = is an *assignment* operator.

**Not Equal**

In [3]:

2 != 1

In [4]:

2 != 2

**Greater Than**

In [5]:

2 > 1

In [6]:

2 > 4

**Less Than**

In [7]:

2 < 4

In [8]:

2 < 1

**Greater Than or Equal to**

In [9]:

2 >= 2

In [10]:

2 >= 1

**Less than or Equal to**

In [11]:

2 <= 2

In [12]:

2 <= 4

**Great! Go over each comparison operator to make sure you understand what each one is saying. But hopefully this was straightforward for you.**

Next we will cover chained comparison operators