**Boolean.py**

**If-else and if-else statement:**

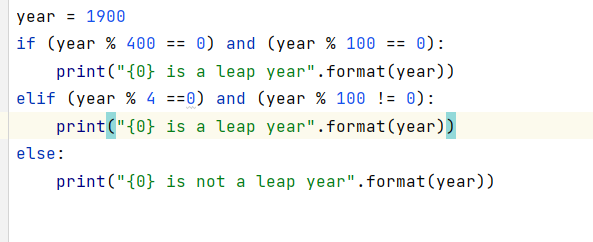
When to use: If there **userInput** ,and need to do check multiple cases/Conditions.

Example:- Leap Year Check

Condition 1:Year %400 and year %100

Condition 2:Year%4 and Year%100!=0

We are checking conditions at same time

A screenshot of a computer

Description automatically generated

A screenshot of a computer

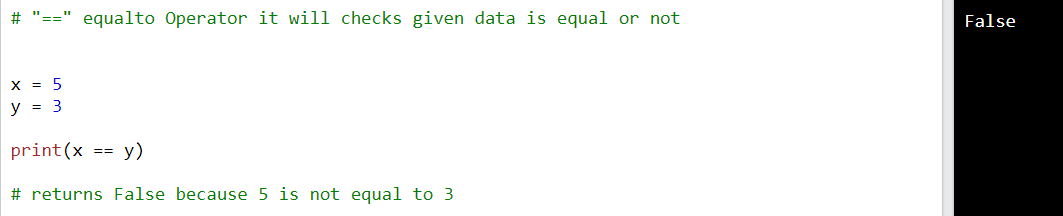
Description automatically generated

**Conditionals.py**

A screenshot of a computer

Description automatically generated

Reference:W3 Schools



A white background with green and blue text

Description automatically generated

A white background with black text

Description automatically generated

A white background with black and white clouds

Description automatically generated

**LogicalOperators**

**logical\_compares.py**

When to use:If there are multiple conditions and we need to them at once(statements are combined at once)

A screenshot of a phone

Description automatically generated

A close-up of a white background

Description automatically generated

A close-up of a white background

Description automatically generated

**Nested-If loops:-**

**When to Use:** If there are multiple conditions need to be checked for given usecase.

In below case we case checking if first condition is true and we moved further step and checked another condition

A white background with black and white lines

Description automatically generated with medium confidence