Python Intro

https://pellcorp.github.io/coding/docs/python-intro.pdf

Python Intro

- What are the basics:
  - Output – printing to the Windows Terminal
  - Variables
  - If Statements

Python - Variables

- Strings
  - "Hello World"

- Whole Numbers (ints)
  - Numbers without decimal points

- Decimal Numbers (floats)
  - Numbers with a decimal points.

- Booleans
  - True or False
  - Boolean arithmetic

- Lists
  - More on that later, its a bit complicated to explain

Python If Statements

- If statements look like this:

```
if <condition>:
    statement
elif <condition>:
    statement
else:
    statement
```

- The **<condition>** is defined next.

Python If Statement Conditions

- A condition is something that evaluates to true or false, and example would be.

- A condition is of the format:
  - value or variable **<operator>** value or variable

- Condition **operator**s include:
  - **==** equals
  - **!=** not equals
  - **>** greater than
  - **>=** greater than or equal
  - **<** less than
  - **<=** less than or equal
  - **in** value in a list or string.
  - **not in** value not in a list or string