HEROES Academy

Day 3 Cheatsheet

Topics:
- Boolean variables
- Conditional boolean expressions and statements
- Complex boolean expressions
- If Statements

Syntax for Boolean Variables:

Operators for Boolean Variables:

AND Truth table

OR Truth table

If Statements

If statements let you use boolean variables to do conditional things?

```
if <condition>:
    print("The success condition!")
```

elif statements

elif let you do backup if statements that only get checked if the one before it was false!

```
if <condition>:
    print("First condition is successful!")
elif <second_condition>:
    print("Second condition is successful!")
```

else statements

else is the final chance for an if statement!

```
if <condition>:
    print("First condition is successful!")
elif <second_condition>:
    print("Second condition is successful!")
else:
    print("two things failed!")
```

if-elif-else examples

You can structure them in many ways!

```
if <condition>:
    print("First condition is successful!")
else:
    print("Else with no elifs!")

if <condition>:
    print("First condition is successful!")
elif <second_condition>:
    print("Second condition is successful!")
elif <third_condition>:
    print("Third condition is successful!")
elif <fourth_condition>:
    print("Fourth condition is successful!")
else:
    print("Four things failed!")
```