Conditional Statements: Takeaways ₪

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Syntax

• Using an if statement to control your code:

```
if True:
    print(1)
if 1 == 1:
    print(2)
    print(3)
```

• Combining multiple conditions:

```
if 3 > 1 and 'data' == 'data':
    print('Both conditions are true!')
if 10 < 20 or 4 <= 5:
    print('At least one condition is true.')</pre>
```

• Building more complex if statements:

```
if (20 > 3 and 2 != 1) or 'Games' == 'Games':
    print('At least one condition is true.')
```

• Using the else clause:

```
if False:
    print(1)
else:
    print('The condition above was false.')
```

• Using the elif clause:

```
if False:
    print(1)
elif 30 > 5:
    print('The condition above was false.')
```

Concepts

- We can use an if **statement** to implement a condition in our code.
- An elif clause executes if the preceding if statement (or the other preceding elif keyword evaluates to True.
- True and False are Boolean values.
- and and or are logical operators, and they unite two or more Booleans.
- We can compare a value A to value B to determine the following:
 - A is **equal** to B and vice versa (B is equal to A) ==
 - A is **not equal** to B and vice versa !=

- A is greater than B or vice versa >
- A is greater than or equal to B or vice versa >=
- A is **less** than B or vice versa <
- A is less than or equal to B or vice versa <=

Resources

• If Statements in Python

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