Classes and Methods Cheat Sheet (Optional)

Classes and Methods Cheat Sheet

In the past few videos, we've seen how to define classes and methods in Python. Here, you'll find a run-down of everything we've covered, so you can refer to it whenever you need a refresher.

Defining classes and methods

```
1  class ClassName:
2      def method_name(self, other_parameters):
3          body_of_method
```

Classes and Instances

- Classes define the behavior of all instances of a specific class.
- Each variable of a specific class is an instance or object.
- Objects can have attributes, which store information about the object.
- You can make objects do work by calling their methods.
- The first parameter of the methods (self) represents the current instance.
- Methods are just like functions, but they can only be used through a class.

Special methods

- Special methods start and end with __.
- Special methods have specific names, like __init__ for the constructor or __str__ for the conversion to string.

Documenting classes, methods and functions

- You can add documentation to classes, methods, and functions by using docstrings right after the definition. Like this:

```
1   class ClassName:
2       """Documentation for the class."""
3       def method_name(self, other_parameters):
4           """Documentation for the method."""
5           body_of_method
6
7   def function_name(parameters):
8       """Documentation for the function."""
9       body_of_function
10
```

Mark as completed

👍 👎 🚩