**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**

class ClassName:

    def method\_name(self, other\_parameters):

        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:

class ClassName:

    """Documentation for the class."""

    def method\_name(self, other\_parameters):

        """Documentation for the method."""

        body\_of\_method

def function\_name(parameters):

    """Documentation for the function."""

    body\_of\_function