

Classes and Methods Cheat Sheet (Optional)

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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
```