cheatsheet.md 5/9/2023

Syntax	Example	Description
Variables	x = 5	Assign a value to a variable
Conditionals	<pre>if x == 5: print("x is 5")</pre>	Execute code only if a condition is met
Loops	<pre>for i in range(5): print(i)</pre>	Execute code repeatedly
Functions	<pre>def my_func(x, y): return x + y</pre>	Reusable block of code that performs a specific task
Classes	<pre>class MyClass: definit(self, x): self.x = x def my_method(self): print(self.x)</pre>	Blueprint for creating objects with specific attributes and methods
Imports	<pre>import math print(math.sqrt(4))</pre>	Use code from another module or package
Exception handling	<pre>try: x = 1 / 0 except ZeroDivisionError: print("Cannot divide by zero")</pre>	Handle errors that might occur during program execution
Boolean operators	and, or, not	Operators that operate on boolean values
Math operators	+, -, *, /, //, %, **	Operators that perform mathematical operations
Comparison operators	==, !=, <, >, <=, >=	Operators that compare values
Comprehensions	<pre>[i**2 for i in range(5)]</pre>	Concise syntax for creating lists, dictionaries, and sets