Python Cheat sheet

Operators in Python (detailed)

<https://www.programiz.com/python-programming/operators>

In Python, the ‘finally’ keyword is used in the context of exception handling, specifically with try-except blocks. The ‘finally’ block contains code that will always be executed, regardless of whether an exception occurs or not within the “try” block. Here is an example of how to use the ‘finally’ keyword in Python:

try:

# Code that might raise an exception

result = 10 / 2

print(f"Result: {result}")

except ZeroDivisionError:

# Code to be executed if a ZeroDivisionError occurs

print("Error: Division by zero.")

except Exception as e:

# Code to be executed if any other exception occurs

print(f"Error: {type(e).\_\_name\_\_}")

finally:

# Code to be executed always, regardless of exceptions

print("This code will always run.")

In this example, if an exception occurs within the “try” block, the appropriate “except” block would be executed, and then the “finally” block would execute. If no exception occurs, only the “finally” block would execute after the “try” block completes.

Use of “yield” keyword in Python

<https://www.geeksforgeeks.org/python-yield-keyword/>

We should use yield when we want to iterate over a sequence, but don't want to store the entire sequence in memory. Yield is used in Python generators. A generator function is defined just like a normal function, but whenever it needs to generate a value, it does so with the yield keyword rather than return.

Python raise Keyword is used to raise exceptions or errors. The raise keyword raises an error and stops the control flow of the program.

Full keywords in Python

<https://realpython.com/python-keywords/>

Algorithms mixed with loops, etc

<https://www.w3resource.com/python-exercises/python-functions-exercise-5.php>

<https://www.programminginpython.com/python-program-find-number-prime-composite/>

<https://www.toppr.com/guides/python-guide/examples/python-examples/python-program-check-whether-string-palindrome-not/>

<https://www.w3resource.com/python-exercises/python-basic-exercise-60.php>

<https://www.tutorialspoint.com/frequency-of-each-character-in-string-in-python>

data structures and algorithms

<https://www.youtube.com/watch?v=pkYVOmU3MgA>

<https://www.youtube.com/watch?v=fW_OS3LGB9Q>

<https://www.youtube.com/watch?v=8hly31xKli0>

<https://www.youtube.com/watch?v=8hly31xKli0>

<https://www.youtube.com/watch?v=BBpAmxU_NQo>

data analyst full course IBM

<https://www.youtube.com/watch?v=1PAy6d16ADQ>

loops in Python

<https://www.youtube.com/watch?v=M0RsvJnaGYg>

<https://www.youtube.com/watch?v=zFvoXxeoosI>