Chapter 12 - Advanced Python 1 Exception Handling in Python

There are many built-in exceptions which are raised
in Python when something goes wrong.

Exceptions in Python can be handled using a try

Statement. The code that handles the exception is written in the except clause. # code which might throw exception as e: Exception print (e) When the exception is handled, the code flow continues without program interruption. We can also specify the exceptions to catch like below: except ZeroDivision Error: # Code except TypeEmor: # code exception # code → All other exceptions are handled here. Kaising Exceptions We can traise sustain exceptions using the raise keyword in python.

	Sometimes we want to run a piece of code when try was successful.
Service .	Sometimes we want to run a piece of code whom
	fry was successful.
	tey:
	# Some code
1	
	except:
1	# Some Code else:
1	Usla transfer to
-	# code -> This is executed only if the try was saccessful
+	Try was Saturatur
+	1 Amin distri
1	try with finally
1	Python offers a finally clause which ensures execution
1	Python offers a finally clause which ensures execution of a fixee of code irrespective of the exception.
	Aller omtians no broad
	try: # 50me code
1	# Some code se
1	Purcht o
1	exapt:
-	# Some code
-	finally:
-	# some code - executed regardless of error!
-	
	ifname_ == '_main_ in Python
	- name - evaluates to the name of the module in Python
	from where the program is ran
-	The program is not
-	To 4 . I la be're your discatly from the command line
-	If the module is being run directly from the command line, thename is set to string "main_"
-	ne name 15 Set to string main
	Thus this behaviour is used to check whether the
	Thus this behaviour is used to check whether the module is run directly or imported to another file.
-	

The global keyword
global keyword is used to modify the variable outside
of the current scope. Enumerate function in Python
The enumerate function adds counter to an iterable and returns it for i, item in list 1: print (i, item)

Prints the items of list 1

with index! list comprehensions is an elegant way to create lists based on existing lists list 1 = [1, 7, 12, 11, 22] list 2 = [i for item in list 1 if item 78]