Exception HANDLING: When a Python program meets an error, it stops the execution of the rest of the program. An error in Python night he either an error in the syntax of an expression or a Python exception. What is an Exception?

An exception in Python is an incident that happens while executing a program that causes the regular course of the program's commands to be disrupted when a Python code comes across a cond' it can't handle, it raises an exception. An object in Python that describes an error is called an Exception. => Try and Except Statement:

Try and except statements

are used to catch and handle exceptions in Pythan. Statements that can raise exceptions are Kept inside the try clause and the statements that handle the exception are unitten inside except clause. Ex: Here we are trying to access the array element whose index is out of bound and handle the corresponding exception. $\alpha = [1, 2, 3]$ print ("2 element:", a[1])

print ("4 element:", a[3]) except:

print ("An over occured") Weither a mile market tell tell to the Output: 2 element ; 2 it here the first of him of him of him An error occured A try statement can have more than one except clause; to specify handlers for different exceptions. Please note that at most one handler try:

Statement 13) except Indexerran: # statement is) except Value Error: 10 (10) Pi voloni. # Statement (s)

=> Tour with Else Change & and walls The else clause on the try-except block which must be present after all the except clauses. The code enters the else block only if the try clause does not raise an exception, ex: det Abc (a,b):

try: (bailing file of the city)

C = [(a+b)](a-b)) except Zouo Division Error: print (" all result in 0") Abc (3.0, 3.0) Output: als result in 0 to be a second of the second Finally Keymond in Python:

Puthon provides a keyword

finally, which is always executed after the

try and except blocks. The final block always
executes after the normal termination of the

try block or after the to some exception.	try block	s termis	cates d	فلا
au since exception.	010 114	Samola		
try: do illore de la	- Notify		A Commission of the Commission	-
try: # Some Code	The own	19 19	and any contribution of the contribution of th	
except:	50000		and the second s	138737
# Optional block			61-11	Name of the state
# Optional block # Handling of exception	on lif re	quired)		*
else:	10000	Maria Maria M.		•
# execute if no exc	epition	1.	1000	
finally:		***	1.1.1	
# Some code (a)	ways exec	uted)		