To [].	Nested Try Except Block > Nested Try blocks are possible in Python
In []:	> Nested Try blocks are possible in Python> Then based on Try block we need to same number of except block> if you are using try block then it is forsure that you need to use atleast one except block> if try block is not getting any error then except block never be executed> Whenever you are using try execept block your program will terminate normalle> Nested Try except block is also possible but for each try block there must be an except block
To [4].	Example **Mostad Try Event Block
In [1]:	<pre>#Nested Try Except Block print("Stmt-1") try: print(10/0) print("stmt-2") except:</pre>
	<pre>try: print(5/0) except: try: print(20/0)</pre>
	<pre>except: print("stmt-3") print("Stmt-4") Stmt-1 stmt-3</pre>
	Try with Multiple Except Block
In []:	> You can use multiple except block with single Try> the except block must be the last block of the code if you are using except block in between the blocks then it will give you an error you cannot use except block in between any block.
In [2]:	<pre>#try with multiple except block try:</pre>
	<pre>a=int(input("Enter a Number : ")) b=int(input("Enter a Number : ")) print(a/b) except ValueError: print("Please give integer input ")</pre>
	<pre>except ZeroDivisionError: print("Denominator cannot be zero") except: print("Except block") Enter a Number : 12</pre>
	Finally Block
In []:	Sometimes we need something to execute in our program weather the exception is occured or not, finally block is always be excuted weather the exception is occured or not. Basciallu finally block are used to perform cleanup activities(DB connection closinh , resource allocation , gc)
	<pre>Example: try: risky code except: alternative code/handling code finally:</pre>
	Important Cases
In [3]:	<pre>#Case1: try: print("hello") except:</pre>
	<pre>print("world") finally: print("Hello") hello Hello</pre>
In [4]:	<pre>#Case2: try: print("inside Try") print(10/0) except:</pre>
	<pre>print("Except") finally: print("Finally") inside Try Except</pre>
In [5]:	<pre>Finally #Case3: try: print("inside Try")</pre>
	<pre>print(10/0) except NameError: print("Except") finally: print("Finally") inside Try</pre>
	<pre>inside Try Finally ZeroDivisionError</pre>
	<pre>3 print("inside Try")> 4 print(10/0) 5 except NameError: 6 print("Except")</pre> <pre>ZeroDivisionError: division by zero</pre>
In [6]:	<pre>#Case 4: try: print("Inside Try") print(10/0)</pre>
	<pre>except: print("Except Block") except ValueError: print("Except") finally: print("Finally")</pre>
	<pre>Input In [6] print(10/0) ^ SyntaxError: default 'except:' must be last</pre>
In []:	Else Block If no any error is there in try block then else part will executed.
	Example
In [7]:	<pre>try: print("try") print(10/2) except: print("Except") else:</pre>
	<pre>print("Else") finally: print("Finally") try 5.0</pre>
	Types of Exceptions
In []:	Two Types of Exceptions: Predefined Exceptions> for each exception a sepreate class is given we can use that class Example: Zerodivisionerror, nameerror, valueerror, eof error etc
	Userdefined Exceptions> Such type of exceptions that are defined by developer are known as UserDefined Exceptions or Customised exceptions. Example: too young exception , toooldexception , insufiicientfund
In []:	Creation of User Defined Exception: Creation of User Defined Exception: 1. Each and every userdefined exception is a child class of exception class.
	2. raise keyword we need to use for raising user defined exceptions. 3. We can also pass a message while raising the User Defined Exceptions. Example
In [31]:	<pre>class TooYoungException(Exception): definit(self,x): self.x=x age=int(input())</pre>
	<pre>if age<18: raise TooYoungException("Your age is less than 18") else: print("You are perfect")</pre>
	TooYoungException Traceback (most recent call last) Input In [31], in <cell 5="" line:="">() 4 age=int(input()) 5 if age<18:</cell>
	> 6 raise TooYoungException("Your age is less than 18") 7 else: 8 print("You are perfect") TooYoungException: Your age is less than 18
In [32]:	<pre>class Insuffient_Balance(Exception): definit(self,x): self.x=x age=int(input()) if age<18:</pre>
	<pre>raise Insuffient_Balance("Your age is less than 18") else: print("You are perfect") 12</pre>
	<pre>Insuffient_Balance</pre>
	8 print("You are perfect") Insuffient_Balance: Your age is less than 18
In []:	CSV File Handling CSV Files> A Comma Separated Values (CSV) file is a plain text file that stores data by delimiting data entries with commas. > if we want to store the data in form of excel(csv) then we can use csv file handling concept. > for using csv file in python you need to import one module that is known as csv
	Example: 121, pratyush, 9721372543, ashu NA/wite Occupations in OCO / Files
In []:	Write Operation in CSV Files For writing Purpose we in csv file we need to use 3 different Methods: writer method> it ensures in which file you need to write the data
	writerow method> it is used to write the data in the first row that will used as a coloumn for rest of the data. In this function you need to pass argument as a list elemnt. Example
In [35]:	<pre>import csv with open("employees.csv","w",newline="") as s: w=csv.writer(s) w.writerow(["Employee_Name","Employee_Salary","Employee_Mobile"])</pre>
	<pre>n=int(input("Enter How many employee data you want to store: ")) for i in range(n): Employee_Name=input("Enter Employee Name") Employee_Number=int(input("Enter Employee Number")) Employee_Salary=int(input("Enter Employee Salary "))</pre>
	<pre>Employee_Mobile_no=int(input("Enter Mobile Number")) w.writerow([Employee_Name, Employee_Salary, Employee_Mobile_no]) print("Total student data is updated") Enter How many employee data you want to store: 4 Enter Employee NameKrish</pre>
	Enter Employee Number90 Enter Employee Salary 90000000 Enter Mobile Number9721378976 Enter Employee NameArnav Enter Employee Number923 Enter Employee Salary 90000000
	Enter Mobile Number986 Enter Employee Namename Enter Employee Number98 Enter Employee Salary 98 Enter Mobile Number98 Enter Employee Nametushar
	Enter Employee Number99 Enter Employee Salary 99 Enter Mobile Number99 Total student data is updated
In []:	Read Operation in CSV File for reading purpose we are having one method named as:
	reader()> In this function we need to pass file pointer. Example
In [39]:	<pre>#Reader> which file you want to read import csv f=open("employees.csv", "r") x=csv.reader(f) #reader y = list(x)</pre>
	<pre>y = list(x) for i in y: print(i) ['Employee_Name', 'Employee_Number', 'Employee_Salary', 'Employee_Mobile'] ['Krish', '90', '900000000', '9721378976'] ['Arnay', '923', '90000000', '986']</pre>
	['Arnav', '923', '90000000', '986'] ['name', '98', '98', '98'] ['tushar', '99', '99', '99'] Read Operation Using Pandas
In [41]:	import pandas as pd df=pd.read_csv("employees.csv") df.head(5)
Out[41]:	Employee_Name Employee_Number Employee_Salary Employee_Mobile 0 Krish 90000000 9721378976 1 Arnav 923 90000000 986 2 name 98 98 98
In []:	2 name 98 98 98 3 tushar 99 99 99