Taska Implement Exceptions and Exceptional handling inpython Alm' To implement exceptions and Exceptioned handling in Althon

Algorithm:

1) start the psiogsom

of grades (

-lo enter the index of the grade they e) Thitialize alist e) prompts the use

atoplies you know the est established rooms

u) Attempts to display & the grade of the specified and on.

& It the index is out of range. couch es the Index error and prints an error message invalid Ender. Please a valid indul'

Paggram:

intialite the Lit of grady

grades = [85, 90178,94, 88)

Display the grades list.

perompt the user to enter the index of the grade they wand to

indentint Cinputal Entertheinden of the grade you want to view:")

Attempt to display the grade at the Spelified inden

print (+" the grade at index & index 3 is : { grades & index 3")

en cept Inden Error:

Hardethe cost where theipput is not an integer Print ('Investid input. Please enter a numerical index')

Result. They the program for Truplement Execption and handling on python.

output

Grades List- [85, 96, 78,92,88]

Enter the index of the grade you want to view: 10

Invalid Index Please enteravalid index

Invalid Index Please enteravalid index

2-1

with the man

Talk 9.2 you are de reloping a python calculate perogram theperform that pasic an ithmetic aperations. One of the key functionalities is to divide two numbers entend by the user. Aim! you are developing a python colowate program the perform that boxic anithmetic operations one of the pay functional ties is to divide two numbers entered by the wer. Algorithm: 1) Startheprogram numerator and q a) por ampts the wer to enter two numbers! a denominator. 3) Attempts to divide the numerator by the denominator. by It the demonihador is zero, catcherce zero Division Error and displays an error message: "Error: Division by zero i's not allowed". Pszogram: # function to perform division def olivide numbers ()> the numerator num erator = float (input ('I token the mamostor!"). # prompt the user to enter the donominator. denominator = float cinput ("Enter the denominator:")) # prompt the Attempt to perform division result = nunerator/denominator Papint Lf" Rush: Everalty") except zero Division Foror: # Handle divison by zero error printer Error: Division by Zerois notallowed! entept value error: # Handle invalid inputhed is not a number print (1/Error: please enter valid pumbors")

It call the function to one cut ethe division operation

divide - numbers ()

Enter the numerator: 10 to main to the state of the formation of the state of the numerator of the state of t

Error: Division by Forois not allowed.

to display & the grade of the specified inder or not on they good only of the specified inder or not of the specified inder or not of ronge. Coldina the specified inder or not of ronge. Coldina the specified inder or not of ronge.

Output, Enter a namber: U en ception occarrai: Invalidable The first of the second

Aim! you are building apython application to accommine .. Of person is eligible to vote base on their eige. According to the ruly only individuas who are 188 years (or) older are allowed to voto. Algorithm: Definethe customs exception 2) perompt the user for input 3) Check, of the age is below 18. u) Raise an enception if the condition is mod. 5) Handlethe exception with a custom error message At define python user-defined executions class Invalid Age enception. u paised when the propert value is less than 18" It you need to gues this number number =18 input-hum: intlinput ('Enter a number'.")) ten: : Fénpert_nam < namber: rouise Invalid Age Exception print (E ligible to voté) en copt Involid Age on coption; Print ('Enception occured: Invalid Age')

Personance (septiment)

Result and analys

VIVA VOCE (3)

RECORD (4)

FOTAL (15)

Complement & ceptions and exceptions with DATE

handling is one cited and vorified successfeely.

VEL TECH - CSE	
EX NO.	Of
PERFORMANCE (5)	5
RESULT AND ANALYSIS (3)	5
VIVA VOCE (3)	1
RECORD (4)	1
TOTAL (15)	-
ASIGN WITH DATE	119