Implement exceptions and Exceptional handling in Python.

Dies You are developing a phyllion program that processes a but at the developing a phyllion program it developed to allow the were to telest a grade by specifying on index nambes. However, you need to ensure that the program handles cares where the use input a on index that is out of range in the use input a on index that is out of range in the use input a on index that is out of range in the use input a on index that is out of range

Dimit To implement Exemption and exceptional handling in python

Algorithm

- 1. Halt the mogram
 - 2- Initializes alist obgrades leg; [85,90,78,921887]
 - 3. Prompts the use to enter the index of the grade they with to view.
 - 4. Alternation to displays the grade of the specifico
 - of the index is out of range. Catches the index error and prints an error mexage is unvalid index. Please error created index."

1. P. JINT most foughternes. Paro Punglas 2x3 tanking mes you are developing eighter prepara the o have a street the projection of the 10000 Cades LAN : (20,90,78192,88) Enter of the Inden of the grade you is done that the will it outs is Invalid index. Pleaventer a valid Made index. handling in python modificaple. Crosport She that -1 10P, 28) if 9) whomplo with isotherial -e 3. prompty the west do enter the inter · Own of Mias bank shorp to be opened the made of the 43 gra 18 11

Program

initialize the list of grades.

grade = (85, 90,78,92,88)

It wistplay the grades list.

Print (11 madeg-list 21, grades)

Prompt the use to enter the index of the grade they want to view.

inden = int linput l'Enter the index of the grade you want to view: "")

Alterinst to display the grade at the Grade you want to view: ">

Print (f11 the grade our indem Eindenzis: 2 grades tinden z')

Oncent Inden error:

Handle Hulan where the index

print fu invalid index. please the entre a valid index:")

encept value error:

Handle the law where the input is
not an integer

Mint O' Invalid input: please enter a

num: erral index. 11)

1

Result: Thun the python program & implement the Enghous and Enghoral hondling fuerentales

executed.

How are developing a Hython Calculation program that performs tour continued of is ide two number entered by the use. However, dividing by zero is not allowed and would cause the program to crash if not handled properly.

Algorithm

- 1. Start- Hu program
- 2. Drompts the uses to enter two numbers: a numerator and a demoninator:
- 3. Altempts to divide the numerator. by the denominator.
- a. It the denominator 132 etc., Catches. The Zelo Division Error end displays an error message i "Error: Division by

200 isnot allowed

Sipoling) Moit die dereptied à Hapro (equiperie son standent simones with consequent Enter Ald mangertor 216-10 9110 one of the demonthant of our Grori Pribivib, 25000001 Comor in División byensee Viner . Hisport bellallowers ! whitepla MODERAL THE MERCHAN o estre of consider lighted -c vinvounds a love i atmentino in: 3. Calterially declinder the name by the demonstrator. 1 alle chemomen 18200 1 Shows coreagodivicionas est-VId = 10889" + SPORESTA STATE IND Someolla forth ouse

signom, # function to perform division dol divide - numbers co: Ary: # prompt the were to enter the numerous. number of & Hoar Pinner (1) Entre He numerator 2") # prompt the use to entre the demonninator. denominator = Most Cinput Cubute the den orninator ing All empt to perform division # result = num evalor of denominator Print (l'Perut : Everut 3") Encept 2000 Division by 2000 comon. Print the Emor: Division byzeen innot. allowed. ") Encent value Error. Handle invalid input thatis not

a number

print ("From 1-pleak entre Valid numbers")

He Call the function to execute the Avisión

operation.

divide - numbers.

Repull: They the phythian programmes munneconformed denometro for are Successfully oncewed.

you are building a python application to determine it aperon is elegible to note based on their age. According to the rules carry individuals cake one. It years or older one alrowed to vote to embre this rule you decide to create a sustant enception called Invalid age exception, which will be taiked wherever an age believe to it entered.

Algorithm:

- 1) Define the Custom encoption
- 2. Prompt the ever forique
 - 8. Check It the age is believe 18
 - a. Rein an enception it the.

tondition 11 mer

current error message.

achoring moulty in problem on may Eutre a mule 210 Exeption occured: (modif of A A A STATE OF THE 98 volume alle and as in Today of Man 10 years Mar Made and the second of the 31771 Company of Compa in print, comment with with the Upline of the state of the state of the 19d (" and it mand) Adding to war

Phagram

He define Python uses - defined exeption class invalid rose enception (Execption):

n Persed when the input. value is

less than ton

pan,

You ared to gues this number, number =18

dry.

in pur num -intlinpur ("enter a number;);
it inpur-num < number:

revite unalidage enception

else:

Nut (affigible tovoten)

Ement Invalid Dge Exeption:

PERFORMANCE (5) S

RESULT AND ANALYSIS (3) 3

VIVA VOCE (3) 3

RECORD (4) 4

TOTAL (15) 5

SIGN WITH DATE

Reputtle. Thus, the program for implement Exception and Exceptional handling is exception and exceptional handling is