22/9/25 Task-(9). Implement exceptions and Exceptional handling

Aimit to implement exceptions and exceptional in hundling

the deaphilastrio

Algorithm 1-

1. start the program.

2. Initializes (ist of goode ((150, 18, 90, 92, 88))
3. prompts the user enter the Index of grade they wish to view

4. Attempts to display out of range, catches Endertwer, and punts an error message.

Invalid induk, pleak enter a valid index".

programi

initialize the list of grades. grades = [85, 90, 78, 92, 88]

Display the grades list print ("grades list", grades)

prompt the user to enter include of grade they want to view

index = intlinput ("Inter the index of grade you want formicus"))

H Attempt to display the grade at specified index

Print ("f" The grade out index [index z is! { grade [indix] z")

Except Inde error

Hand Handle the case where the index is out of range. print ("Invalid index, playe enter a valid index,")

Except value Error:

Handle the case where input is not an integr.

Print ("Invalid input. please enter a numerical india.")

ble with (Hame). output ander List: [85, 90, 78, 92, 88] But the index of grade you want to view; o. Invalid index please enter a valid index. Resolt thus the pything pregram implement versions tent operation uses sociessfully and output was verified.

white week (4) the office of the adjust and the options had a o hundling Mar to implement beceptions and exceptions the toyer the numerator 110 Enter the denomination Error! 1. Styl the progress. from: Division by two is not allowed. attempts to display and of rungs, catchia Endersman, Invallations, place enter a vallet indea. of spilialize the list of grades J. 88 40, 84, 00 28] = word It osplay the grades list print ("grader list", grades) the primpt the user to enter inche ist grade they want to when tribe . inthingst ("how the indose of greate you want fortabil")) It Attempt to display the grade at specified india bung ("+" is decope at jupper finger? is; Edward firsper 33") Except Line Crier Head Hardle the core where the order is out of rung. print ("Intell'd helps, place only a valid holes,"). Except robus Error It Houte He car ware input is not up intop grant ["Intelled input, please early or numerical indepe"]

you are developing a phon python calculator pragram perform hours arthmetic operations.

Algorithm

- I start the program. Jet bilings ! heraso whose 2. prompts the user to enter two number: a numerator and a denominator.
- 3. Attempts to divide the numerator by denominter.
- 9. If the denominator is Fero, Cotcher the Fero Division EGrar & displays on error messays:

programi

Function to purform division: def divide. humber ():

prompt the usw enter the nomevative. numerator = flout (nput ("Inter the numerator:"))

Attempt to perform division.

result = num eratur (denominator. Print Et " Desult: {result}")

Except Zero bivision Prov!

Handle dissin by zero error

print ("foror: Division by two is not allowed")

Except & value Error:

Hundle invalid input that is not a number Print ("fror: Please anter vailed numbers,")

call the function to excuse the duision operation divide - numbers().

you are docateging a flow pytron entrolled propers outputi tota the number :15 Exception occurred; Linvalid Agl. a month for use to enter this number ; a numero a denominator. Attempts to divide the numerical by depositated. If the denomination is 740, redding the Texa DVISIS EERS E display on ever messay: det divide nomber (n) it sumply the use enter the monedester. rumeredor = flood (apot ("Tabe the numerator:")) # Attempt to perform division result = now eventur l devaporimental. om of hessit fresh the Except the pivision ther! # Hendle down by some error pant ("type thisten hy tero is not allowed ?) Except telline Error: # Handle Invalle Input that is not a number but [wend : block whe regpt wounder? It cold the function to exacte the dission eperation

(9,3) Algorithm

Algor Hhm !

1. Define the custom exception:

2. Prompt the user for hput.

3. Check if egg is below 18.

4. Raise an exception if the condition is met.

5. Mandle the Exeptin with a custom error messure

programi

define Python vsr-defined Exceptions

dows sowald Age Eucoption (Exception).

"Raised When the input value is less than 18".
Pax.

you need the guess this number. womber: 18.

try

Input - nom = int (input e"Enter a number:")

of amount-non a number.

else,

print ("Highle to vote")

freept Invalid Age Exceptin:

print ("fxception occured: Invalid Age").

Resulti thus, the prayram for implement exception and Expentional handling is executed and invitation sware stully

PERFORMANCE (5)
RESULT AND ANALYSIS (5)
VIVA VOCE (5)

RECORD (5)

TOTAL (20)

SIGN WITH DATE