10/9/25 And Exceptions and exceptiona Aim! To implement exceptions and exceptional handling in Aython. 2. Initializes a list of grades (eo:[85,90] Algoridhm: 1. Start the Program 3. Prompts the users to enter the index of the grade they wish to view. 4. Afternets to display the grade at the J. If she index is out of rounse Cateches the index Browned Prints an error Mexage = Invalid index Please enter availed index! I initialize the list of grades. grades = [85,90,48,92,88] I Display the grades list Print ("Grades list! Brades) # Prompt the user to enter the Thiden of the smale They want to view EXA. index = int(inPuti(tEnter the index of the grade 1 you want to view! "I # Attempt to display the small at specified inden. Print (F The grade at index is: & Grades [index]? # Hondle the Cose where the index is out of range EXCELF EUGGE ELLOL: Print (: Invalid index. Please enter avail'd indea!) # Handle the case where the inputs is not an intern except value End: Printf(- Invalid input, Please enter anumerical integ)

output:

Grades list: (85,90,78,92,88)

Enter the Index please enter a valid integral index



92 you are developing a python conculator program that performs busic arithmetic operations one of suckes functionalities is to divide enonumber entered by the user. Algoridam: 2- Prompts the user to Enter two numbers; a. Stewt. a numeratorana d denominator. 3. Afternoos to divide the numerator by the PE 4- If the denominator is zero, catches the zero division Error and display an error mediale. "Error! Division by zero is not-allowed". Program: def divide -numbers (): numerator = float (input (FEnter the numerator;)) CYU: dereminator: float (input ("Enter due dierominator:")) result = numerator / denominator. print (f" Result" & Result") 36 except zero bivision error! 30 Print ("Error: Please Entervalid numbers!") ak divide - number SC) do 913 you are building Ou Python application to determine if a person is fisible to role bouses on to their able. According to the rules only implifying who are 18 years or older are allowed to vot. : Alexander M' 1. Define the custom exception. 2. Prompt the user for in put 3. Check if the age is Below 18: 4- Raise our exception if the conditions Handle the exception with a custom exrev o net

output:

Enter the number: 10 enter the denominator:0

ERROR! Division by sero is not allowed

program ! class-Invalled Age enception (eaception). a passed when the input value is less than pass number :18 input - num = int (input ("Enter amumber;")) EYY! if input - num < number Triple raíse Invalid Ase Exaction 'ebe'. / Print(" Elisible to vote") except Invalid ABC exception: print ("Exception occured: Invalid ABe") 2) ist. 890 ilak (db) Result: Thus, the Program for Implement exceptions and exceptiony handling is den acealed and verified successfully. se VELTECH REORMANCE (5) LT AND ANALYSIS (5)

LE COMMENTE The world water output! Enter a number: 15 Enter a number: 15
Enter a number: 15
enleption Occared Annual Age, BANGER CONTRACTOR ON TO SERVICE ON THE SERVICE OF T DIE DAT LANGERON GOVAN HE VOUDONNOON, IND THE tok the worth are gradually book , arrit male july · A KARAMATA I A GA KARAMATA KANA (* 2007)* 1 Grandania 3 Evily 17 in Lingspronon son DAMESTO LOURS : red money (its eminater!) The state of the s ("Bloom & " Housey of Damy Lance Cashara Age 198125 and a subject to the subject of the · Wings in the state of the sta