AIM? To write a Python Program that handless division by

Zero error, using exception handing.

Algorithm:

1. start

2. Accept numerator and denominator from user.

3. use try block to Perform division

4. if denominator is zero, catch zerodivison Error in except block

5. Display appropriate Error message.

6. End program

Sample 1/0

Enter numerator: 10

Enter denominator: 2

Result: 5:0

Enter numerator: 10

Enter denominator: 0

Enter Error: division by zero is not allowed IP

Program. num 1 = int (input (Enter numératori)) num 2 = int (input ("Enter denominator:")) result = num 1/num 2 Print ("Resulting result)

Except zero division Error:

Print ("Error: Division by Zero is not albored !") tribute and costs primalet it toget is delication, cold generator that for much to be delicated to the state of the state and red reduced to mility all- south a tribut it

TASK 9.2 Handling Multiple exceptions AIM: To write Python Program that demonstrates handling of multiple (exceptions such as invalid input and unexpected (et mun (in ou of) + nitt errors except value forms Algorithm ... I. Start world bugit biloval round) die 1 2. Accept a number from user, 10 1019000 3. use try block to colculate square of number 4. if input is not a number, handle value Error. 5. if any other error occurs, handle it using a general exception 6. Display result 7. End Sample 1/0 Enter a number : 6 Square: 36

Enter a number : hello

Error: involid input, Please enter a number!

yd migrie without both more or mittel to ofice or italy num = int (input ("Enter a number:")) Print ("square", num ++2) Print ("Error: Invalid input; Please enter a number)") except Exception as e. ors Print ("unexpected emont, e) 10 in programs 0/1 19003 els reterancem estat Erter description :) 0.7: Hunst coler menerator la inter documental es Libertonia in the same ed with the source of put

TASK 8.9.3 wing finally Block AIM! To write a python program that demonstrates the use of the finally block in exception handling. Algorithm

1. Stort the Program 1. Stort the Program
2. Try to open and read from file
3. if the field is not found, handle the File Not found
3. if the field is not found, handle the File Not found of End Finally block to Print a completion message 5. End Sample 1/0: Sample. txt contains: "Hello python") Hello python Enecution Completed (finally block runs always). Error: File pot found! Execution Completed (finally block runs always).

Program: num: int (input ("Enter a number: ")) Print ("Square", num **2) except value Error: Print ("Error: Invalid input, Please enter a number)" except Exception are: Print ("unempected error: "e) a prime to all sold sensor loss with pro time Himse pulgite - A Signature of the said ellate isomer sein Leading restrict outself, to put bilowni s rovers

Program:
Class Negative Number Error (Exception):
Pars
try:
num = int (input ("Enter a Positive number:"))
if num < 0;
raise, Megafive Number Error ("Megative number entered)
raise Negative Number Error ("Negative number entered!" Print ("you Entered:, num)
Exceptive Number Error or e:
Print ("Error", e)
0/1 1/00
2/1 0/2000
Conference : Helps Fyllon"
relie to the constant
Energhiefed (field block mes alongs)
Paron John Sond!
Every tion and the file of the sound.

TACK 9.4 Men - Defined Ecoption
um: To write a Pathon on 100 1 Let wer
- defined exceptions Algorithm:
1. start 2. Défine a Custom exception class
3. Metal
4. if number is negative, raise ugen- defined exception. 5. Catch the exception in except block out display the en
6. If no error, Print number tentred
7. End Illie , soience, proisit volt recession de 1100
Sample 1/000 Albio, Andres , 1x mi not 01011
Enter a Positive number 1
You enford. 15
Enter a Positive number: 81.011
Error: Negative number entered!
VELTECH
PERFORMANCE (5) RESULT AND ANALYSIS (5):
VIVA VOCE (5) RECORD (5) TOTAL (20)
Renett They the Execution 1 10 (23)
has been verified/
hes been verifica.