Task-9 Implement Exception and exceptional handling in python Mim: To implement exception and exceptional as references at sto habdling in python returning and esting q.1. You are developing apython gragame that process a list of students grades. The program to allow the allow the user to select a grade by specifying an index number. Algorithm: 1. Stooct 2. initializes a list of grades 3. Prompts the user to enter the index of the grade they wish to view 4. If the index is out of range, catches the index Error and pronte an Error message " Invalid Error index. Please Enter valid index." Program grades = [85,90,78,92,88] print ("Grades List: grades) index = int (input ("Entex the index of the grade 278: you want to view: ")) Print (f" the grade at index linder 3 is: Equados [index]") except Index Error: Print ("invalid Eminder Please Enter valid inder.") except value error Print ("invalid input. Place Enter Rumerical index.")

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9.2 You are developing a pythor calculator programs
that performs basic arithmetic operations. One of the key of unctionalities is to divide two numbers entered by the
Marithre:
1. Start  2. Prompts the user to enter two numbers: a numerate and a deno reinator  and a deno reinator  3. Attempts to divide the numerator by denominator  4. If the denominator is zero, catches the zero division
error and Displays on Error message: error and Displays on Error message: "Error: Division by zero is not allowed."
Program
def divide - rum bers ():
try:  numerator = gloat (input ("Enter the numerator:"))  denominator = gloat (input ("Enter the numerator:"))  denominator = gloat (input ("Enter the numerator."))
regult: numerator / denominator
Print (f" Result: {result}") except zeroDivisionError: Print ("Error: Division by zero is not allowed.")
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Print ("Error: Please Enter valid num less.")  divide_numbers()  divide=numbers()

En of a and enceptioned bendling r., implement exception and exceptions Enter the numerator: 10 small pg on problems Enter the demonstrator: 0 Error. Division by zero is not allowed. periphically in pany of tool of your of a tiplines a list of grades on repte the user to enter the index of the grade thay wish to view If the in less is out of range, catches the inches Energy with organic Error institute Entire Index Philas Enter volud miles [88, 40 -1 0p, 26] - deb. -(and were the training of the state of the s

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I save there in my a justine endoudator programme on finite or a total of the think is openations, one of the Road output as and out of the second Enter a nume ber: 15 Exception occurred: Invalid age to see to setter two form bear at star in rotorim and by to tomer att don't st at growth of the dence minuter is zero, cotolie the zero division Poseur rors on Error rossog Division by serio is not allowed. ((" rota commerce the restreet (" content the rumerator")) () best ment bess (): ( ) when of - setus; ) today ( sole tot ) rue of

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9.3 You are building a python application to determine if a person is eligible to vote based on their aga. According to the rules, only individual who are 18 years or older are allowed to vote. algorithm: 1. Define the custom exception 2. prompt the user 3. Check if the age is below 18 4. Raise are exception if the condition is net. 5. Haralle the exception program: class Invalid Age Exception (Exception): "Raised when the input value is less thron 18" Pass number = 18 input - num = int (input ("Enter a number:")) try if input num & number: raise Invalid Age Exception e 18e print (" Eligible to vote") Except Invalid Age Exception: Print (" Exception occurred: invalid Age") Result: Thus, the program for implement Exception and Exceptional handling is excuted and verified VEL TECH success fully. PERFORMANCE (5) RESULT AND ANALYSIS (5) VIVA VOCE (5)