Taska: Implement Exceptions and Exceptional handling in Python: Aim! To implement Exceptions and Exceptional bornelling problems 4. You are developing a python that processes a fist o 15 tuning's. grades. A gotthm: 1. Start the program. 2. Initialized alist of grades (e.g., [85,90,78,92,86]). 3. prompts the wer to enter the index of the grade they wish to view. u. Attempts to display the grave at the specified inedex. 5. It the index is out of range, catches the index Error and prints an Error message," Invalid inder please enter a valid index". Program: grades = [85,90,78,92,88] print ("Grades List", grades) index = int (input ("Enter the index of the grade you want to view:")) Print (f" The grade at index findex sis: { grades [index]]") except Index Error: print ("In wall index. please enter a wild index.") except Value Error: Print ("Invaild input please enter a numerical index!) Problem 9.2: You are developing a python calculator program that performs basic arithmetic operations one of the key functions alities is to divide two numbers entered by the user. & gorithm: 1. start the program 2. prompts the wer to ender two humber: a numerator and denominator. 3. Attempts to divide the numerator by the zero Division Error and displays 4. It the denominator is zero, catches the zero Division Error and aspects an error mercages "Error: Division by zero is not allowed". Si wolloud; det divide _numbers (): numerator = float linput ("Enter the numberton: ")) denominator = flout (input ("Enter the denominator:")) result = numerator | denominator print (4" Result: dresult 3") except zero Division fixoz: print (1" from: Division by a ero is not allowed.") encept value Error: print ("Error: please enter valid numbers") divide _numbersl)

[38,40,78,92,38] (85,90,78,92,88] Enter the index of the grade you want to view: 10. Invally index please enter a valid index. Out put: Enter the numerator: 10 Enter the denominator: 0 ERROR' Edifor: Division by zero is not allowed.

Out put:

Enterd humbers 15 Exception occured ! Invalid Age.

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	problem 9.3; You are building a python application to determine it a person
١	16 60
l	~ :4hm :
	10 Define the custorm exception.
l	month the mor
١	check the state of
	s. theck if the age is belowle. s. theck if the age is belowle. u. Raise an exception if the condition is met. u. Raise an exception with a custom error megsage. s. Handle the exception with a custom error megsage.
	g. Honac
	program: H define python wer_define exceptions.
	die Triplid Cyleption (tilleption)
	"Raised when the input value is less than 18".
	Pars

You need to eques the number.

number = 18

Input_ num= int (input ("Enter a number:")) fry:

if input_num2 number: raise Invalid Age Exception

esc:

print ("Eligible to voice")
except Inivide Age Exception: print ("Exception accured: Invail Age")

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Result: Thus the program 400 implement Exceptions and Exception

handiting is executed and verified success fully.