# Task-9. Implement Exception and Exceptional

# in Python

dim: no implement exceptions and exceptional handling in Python

Algorithm:

1. Stort the Biggram

2 [nitalize a list of grades (eg. (85,90,78,92,58)

3. Bromits the user to enter the index of grande wish to niew

4. Attempts to display to grade at the sked

T. J.P. the index is out of rage atches
the Index Error and Print an error
message Invalid index Mose enter a
valid index

Priogram # Initialize the 1st of grades
grade = [81,90,78,92,88]

The Display the grades list ? rint ("Grades List:" grades)

# Bronnet the user to enter the index of the goods they work to view

tay:
index infinited ("Enter the index of the
grade you want to view:"))
It Attentit to display the great at the sheardy

ordrul

Evades losts: (81,90,78,92,88)

Enter the Linder of the grades you wal

uiero 140

Grualid index: Plance enter a valid index.

Print (P" The grade at index [index] is: I grade

[index] f")

except Index Evor

# Hardle the case where the index is owl of

varge

Print ("Invalid index Place enter a valid index)

execcept value evvor

# Hardle the case where the inful is out

an integer

Print (Invalid inful Place enter a numerical

inder):

Posult: The the c. Program in Python imPlement exceptions and exceptional handling in executed and weinfield successfully.

Ain: To develor a Python calculator Biogram.

That Perform basic orithmetic oreration.

### Algorithm:

1. Start the Psigrom

a numerator and a denominator

3. Attentit to divide the numerator by the denominator

u. If the denominator is zero where the zero Division Error and display on error message: "from: Division by zero is not ollowed

#### berdham:

## function to Perform division

def divide\_numbers ();

yay:

Through the user to enter the numerator numerator: "))

# Potom? I the user to enter the denominator denominator

denominator: Ploat (in Pul ("Friler the denominator that the Denform division

# Attem? I to Penform division

onesult: numerator (denominator

Point (P" Result: Enesult")")

to a whole who was all stones to Enter the numeration:10
Enter the denominator=80

Error: Division by Zero is not allowed

months a trapped in margorition with ni galbad leadford bad zastificas

ERROR !

execult tero division error

## Hondle division by tero error

Point ("Error: Division by tero is not ollowed")

execult value Error:

## Hondle invalid inval that is not a number

Point ("Error: Plage enter valid numbers")

## all the function to execute the division

of enation divide-number ()

Result: Thus the c. Program develop a Tython calculator Program that is executed and evented successfully

Am: To Exceptional boadle extentions
To build a Python application to determine

## Agoridhm:

1. Define the custom exception

a Toronit the user for insut

s. check is the age is below 18

4. Raise an exception if the condition is mel

5. Hondle the exception with a custom error

message

#### Brodrow:

## define Python user-defined execultion

closs invalid Age Exception (Exception):

"Raised when the input value is less than 18"

loss

## you need to guess this number

number = 18

inful now = inflinful ("Enter a number:"))

if inful now < number:

Joise Invalid Age Executtion

else

Printf("Eligible to vote")

except Invalid age Exception

outret administration of Enter a number :15 exception occured: Invalid Age Result: These the cologram dove of Aluxan belower worked successfully and specificated successfully

Saint (, exception occored : Junglig vde.)

	-
VEL TECH - CS	SE
EX NO.	9
PERFORMANCE (5)	5
RESULT AND ANALYSIS (3)	3
VIVA VOCE (3)	3
RECORD (4)	4
TOTAL (15)	1
PAISH WITH DATE	1 13
- The state of the	

Regulti

Thus the Brogram for Implement theelto and exceptional hardling is executed and verified successfully.