Task 8 1- Implement various lent file operation. To write a python program implement verious text file operations. Algorithm) 1. write to file: · Defre write file (filename) function? \* open a file numed 'log .txt" in write mode. · wrik the following tent to file. · Ernor objects are thrown then rundine errors ocur. The object can also he sure object for user-defined · close the file 2. Read from a file: · Defre rendfile (filename) function) - open the title specified by filename. In read made using a with Statement. · Read the entire content of file. o print content. 3. Execute programs · cull writefile (is rile) to write predefinal tent to by thet. call readfile ("fent") to attempt to read a fire mand text" and print its contant. · xull rendfile ( program 8.1 det writefile (filenume) f= open ( toy. txt, "w") f. write l'iferor objets are thrown when rundre error Occur, the error object can also he used base object user-defined exceptions"). f. close() dut- readfile (file name): with open (he name, "x") as file:

outputi coror object are thrown when runtime errors occur. The error object can also he used as a house object for user-defined exceptions.

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Hit in created by tonding passed es an argument
his sown created by tonding passed es an argument.
Thus, the pythen program to implement pythen openede
generally and trivially was successfully executed and
output cas veryel

Task 8.1- Implement various but the operation (1.8) active townsport assigned heat his a space of the lest his open hous write to tile: · Defre write file (Flenowne) function? of lines with GRROA is 2. outoto Evror objects are thrown from rundice cross ocen the object can also be pay object for ver- behild o dose the file Red from a fite: · representative (difference) function) - open the like specified by Albania in read made Ushey a with Statement. Acrd the entire content of file ment content. (xerole program) · cull writefile (is rik) to write predeficel tent todo, too call ready of fort, go affering to read or yin led and part its content. rall readfile ( 1.8 mulpor dot unkefile (februane) f= open (tog, tot, uso) town & Entirer extell are thrown who rundow error surve the error object can also housed has object user-defin or applians") f. close(). dat rendfile (Ho name): with open ( he name , ex') as file:

print ((ortent)
write file ("kent")
read file ("kent")

Problem 8.2:

woo have text file log fet containing logs of a system. write a function that counts the number of lines containing the word "frror".

Alyorithm:

1. Initialize Error counter:

- · Define the function count-error-lines (file name):
  - · Initialize error wont too.
- 2. Open and Read file; soperified by filename in very using a with Startement.
- 3. Check each line for error!

  a loop through each live in file.
  - error- went by 1,
  - 4. Return Error count:
    - · After reading all lines, return rather of orner-count
- 5. treche program;
  - has with the word " (rror " in tile " log. Int".
  - · print result with message. "Nomber of this with from "

program :

def count-error-lines (folenume):

for the in file.

24 Error in like: error - count t=1

error - lims = count - error - lines ("lay, text")

Print (f" Humber of likes with Error" if error-likes ?")

Part Clonteath output Nume: Dice, pepertment: HR. Name: Bob, Department: Engineering
Name: charlie, Department: Finare problem 8.2! s. thick each the for error? - If the love contents the word EAKOR! Incoment the sample of the report of and the laptice of the 4. Return Error Count. reall count error-live ("by bet") to count the number of live with the exect " (rear " in the " log that. point result with message "Hanker at less with error" sed yout error (his (blenume): es though so the who spend the name to lass tile! for lue in life. tall a Grows 12 let twon - rowst test pinos - Jahrs waps Error - 1000 = count - cror - love ("10, that") ( Estay - Low J. , Louis of the of the state of cute - pross.)

log. Int "fror" objects are thrown who runtime error occur. The Error object can be used as based object for use-defined 4x ceptions" Problem 8.31 you need to write report containing the details of employee in list write python that write this report to file named Employee - report , txt. Aly Algorithm; 1. Weate for player buter: · Defire the function write employee- report (filename); · create a list employee containing distribución enth with name" and "department" keys for individual Empolyeis. 2. open tile for writings open the file specified by fibrume write-employee-report. 3. write employee Duta to file: · loop through each employee in employee list: for each employee, formut a string as Namer; of employee (Name ) }. · write the formatted string to file, followed by a newlike characker (In). i. Execute the program:

real write- employee- report ("em ployee- report. fact") to write employee cluta to tile amployee - report tut " program? det write- em ployee - report (file name); Employees = [ (name: "Alice, "department": "HIN" } { "hane : Bob", department ! Engineerity "} { "nume": churile, department"; "thance" } with open (file name, "w") as fole. for employee in employee. hre = f'Name; f employec[Name] }, pepartment: { employed Coepartment 13 In"

Hexample usays.

Write -employee - report ("em ployee - tet").

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Result thus, the python program implement various tent file operation was successfully and output was verifial.