Task-6: Implement various text gile operation Nim: To write a python programming Implement various text file operation 6.1 :- you need to write the sentence Error object one thrown when runtime errors occor. The Error can also be used as a base object for use defined exceptions "into a leat file named Lag txt. Implement a function that perform this task. x lgorithm: 1. Write to a file:-* Define write fine function , open a file named "log tet" in write mode write the following tet to the file. . "Error objects are thrown when runtime errors occur. The error object care also be used as a base object 2. Read from a file * Define read file furction · open the file specified file name in read . Read the entire content of file mode . Print the content

3. Excute the pragrams

Programs def write file (file name) & = open ("log. txt", "w") of write ("Error objects one thrown when runtime ETTOTE OCCUM. The ETTOT object com also be used as a base object") f. close() def read file (file name): with open (file name, "r") as file: content = file. read () Print (content) write file (" write") read file ("tzt") Problem 6.2: You have a tat file log. tat containing logs of a system. Write a function that connects the no. of lines the word " ETTOR". Mogorithm: 1. Initialize Error connter: · Define the fune court-error_lines (file name): /. Initialize error. count to O. 2 open and read file: open the file by filename in read mode. 3. Check Each line for "Error": · Loop through each line in the file - If the line contains the word "Error", increment count by

euteut Error objects and thrown when when the objects over stoop to rorres The Error objects can also be used as bage object Pot user defined an expectation and the same of th to a fact the second of the date of to the second se a series and a series of the se about the second of the second and the second second

4. Excute the programe · call count - Error - lines ("lag . txt") to count the no of lines with the word "Error" in the file "log. txt". Part for 107 Program 6.2 def court - Error - lines (filename); E-ror count=0 with open (filename, "r") as file: for line in file: if "Error" in line: Error - count + = 1 return error - count Error_ lines = court - Error - lines ("log. toit") Print & ("no. of lines with Error": {error-lines 3") Problem 6.3: You need to write a report containing the details (Name, dept) of the Employee in list write a python function that writes this report to a file named Employee report tat. Mgorithm: 1. create Employee Data: · Define the func write- Employee - report . create a list of Employees containing dictionoxies Each with "name" and "tept" keys 2. open file for writing. write mode open file by file name in using with statement

Output:-

no. of lines with Error is all

MARKET TOTAL

margory off studies of call court - Error. Lines ("Rog. tat") to no of lensa with the word " Ermor" in file " log tat" Name: Mice, Dept: HR Name: Bob. Dept: Engineer 5 3 more 6.2 Name: charlie, Dept: financeers - rorra - tomo 306 ostaves rorra with open (followers, "r") as file for lune in fell: is "Error" in line grror - count + = 1 return error - count Error Lines : court - paron - Lines ("leg. tot") Print P 1" no of Gross with Error . Ferror Law 3 Froblems & 3 - You need to conite a report contested in The data is (Name, dept) of the Empleyer in list somte es paption function that evites the the a city normed breplote ereport the istic experience of the They were as the state only little of Alace. Sundania de la secono dela secono de la secono dela secono de la secono dela secono de la secono dela secono de la secono dela secono de la secono dela secono dela secono dela secono de la secono de la secono dela secono ye tas we was the stang

3. write emp Data to file: · Loop through each employee in the employees lie t · For each employee, formal a string as " Name: { Employee ['name']}. { Employe ['dept']}. 4. Excute the program - call write - Employee _ report ("Employee _ report · txet") to write the Employment data. Program: 6.3: def write - Employee - report (filename): Employees = [2 "rame" Wlice, " dept" "HR" }, { "name" BOB, " dept " " Engineer " }, § "name": chooclie, 'dept": Financi? with open (file name, "w") as file: for employee in Employees: line = & " Name: { employee ['name']}, Dept: ¿ Employer ['dept']} \n Rile write (line) # Excample write_ Employee report ("Employee report txt") implement Result: Thus, the python program various text file operations excuted and the output