Implement various text file operation Task-6

write a python program implement various text file operations. Aim:

you need to write the sentence "Error objects are thrown when runtime errors occurs. The Error object can be used as a base object for user-defined, exceptions". into a text file named log txt. Implement a function that performs this task.

Algorithm :-

i) write to a file:

Define writefile (filename) functions:

9) open a file named "logitxt" in write mode.

"Error objects are thrown when runtime errors occur. The error object can also be used as a base object for user-defined

exceptions".

iv) close the file.

open the file specified by filename in read mode using a with

Read the entire content of the file.

print the content.

3) Execute the program.

Output:

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Error objects are thrown when run time odrors occur the Error

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objects can also be used as base object for user defined expectation.

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Program: file (file name): f = open ("log .txt", "w") f. write ("Error objects are thrown when runtime Errors occur. The Error object can also be used as a base object") f. close() def read Ale (Alename): with open (Aple name, " , ") as file: Content = file. read() print (content) Problem 6.2: you have a txt file log: txt containing logs of a system. write a function that connects the no. of thes the word " ErroR". * Define the func count-Error-lines (file-name): 1. Initialize Error counter: Instialize Error . count to 0. * open the file by filename in read 2 topen and read file: check Each line for "Error":-* Loop through each line in the file * If the I'me contains the word "Error", Increment count by 1 * Call count - Error - lines ("log. txt") to count the no. of lines with the word "Error" in the file "log. txt". 4.

no. of lines with 'Error' is 2

Se

program 6.2 def Count - Error - lines (filename): Error-Count=0 with open (filename, " +") of fle: for line in File: of "Error" in line: Error-Count+=1 Error-lines = Count - Error - lines ("log. txt") printi ("no of lines with "Error": Gerror-lines 3") Prodolem 6.3:- you need to write a report containing the details. (Name, dept) of the Employee in 18st write a python function that writes this report to a file named Employee - report txt. Create Employee Data: Employee-report.

* Define the func write- Employees containing dio blo naries Each with

* Create a list of Employees containing dio blo naries Algorithm: 1) Create Employee Data: * open file by file name in write node using with statement. * Loop through each pmployee in the Employees list. 3) write Emp Data to file: & for each employee, formed a string as Name: { Employee ['Mame'] }, { employee ['dept'] }".

* Call write - Employee - report (" Employee - report. txt") to w) Excute the program

write the Employment data.

output:-

Name: Alfce, Dept: HR.

Name: Bob, Dept: Engineer. Name: charle, Dept: Pinance.

```
def write - Employee - report (file name):
Employees = [
  & "name": Alfce, "dept" "HR"3,
   q" name", BOB, "dept": " Engineer" },
   q" name": Charle, "dept": " Ffnames "}
 with open (file name, "w") as file:
    for employee in Employees:
  line = f"Name: gemployee [ hame'] y, Dept:
    ¿ Employee [idept'] y In"
  HT Example

Write - Employee - report ("Employee. report. txt")
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Result: Thus, the Python program implement various text, file operations was successfully excuted and the output

was veriffed.

VEL TEC	EH
REORMANGE (I)	4
ULT AND ANALYSIS	
A VOCE (3)	-5
ORD (S)	- 5
AL (20)	
WITH SATE	-16