Task-6:- Implement versions text file operation Aim: To Write a Python Program Implementarious tent file operations Problem 6.1: you need to write the sentence Terror objects are thrown an envuntime Crrors occur- The ewor Can also be used as a buse objected for user-defined enceptions rinto a textfile. named to text Implement a function what Pexforms This task. a. write to a file: \* Define write file ( file name) function: - Open a file named "100 Ext" in write mode · write the following tex to the file, - Error objects are thrown when nutine errors occar. The Error obielt can also be used as abase object for user-defined exceptions; · Clase the file. 2. Road from a file! \* before l'ead file (tilename) functions · Openthe Rice Specified by Filename in read mode Now a with statement. · Read the entire content of the file · Princare Content. 3. Execute one Program · Call write file ( write " les write da e Predefiner · Can vool file (ftest!) to attempt to read from cent to "log. Ext". a file named "text" and print its content.

outral: Errorsobiects are thrown when home errors occur. The error object Can also be used as a base object for user-defined call The second of the second of the second of The way with the state of the state of the state of the state of Little in the mark of the bong to be many CON Sussing CON Baman to grant of the state of the st 1 - 1973 BAN TO BE A PORT OF THE STATE OF CARDING WORKS. Charles Did a market a profession of the contract of the contr (· 160)

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Program 6.0:def write file (file names); f= open (Tos. Ex E) "w") f-write (Ferror Objects cire thrown when runtime errors occur, The Error object Can also be used as a base object for cuser : defined exceptions") P. Close () def. readfile Cfile name); withoren (file name, "r") as file Centent = file realC) Doint (Content) write file ( farite") rend file ( " Eexte") Problem 6-2i- you have a test file less tot Containing logs of ensystem write a function that Connects the number of lines containing the word "ERROR". Algorithm:-1-Initialize Error Connts; · pefine the function count error lines (filenamed: · Initialize error - Conne Goo 2. Glen and Read File: . open the file specified by filename in read mode using a wide statement 3, check each line for "ERROR": · Loop strough each line the file . · If the line Contains the world "ERROR" increment error-count by1. · After reading all the lines, return the h. Return Error Count? value of error-count,

outfut:

number of lines with ERROR 1502

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S. Execute the Modram! · calcount - error - times ("109-txt") toca the number of lines with the word "EMROR" the file "log. Ext". · Print the result with the messes e: "Numa of lines with ERROR! Program 6-2' def (Gnnt-error - lines (Rilenoumed) error-count 20 with oren (Pile name "v") as Pile for linein file: if FERROR'in line: error - count + = 1 relain error - Count error - lines = Count - error - lines ("100 tre") Print( = number of lines with "ERROR": & error - I'mes) Problem 6:3: you need to write a velort Containing the details (name, departments) of deemplosee in 1884. Write a python function that writes this report to a Rile named emplosee-report. Ext. Algoridam; a. Create Employee Data: · Define the function write - employee-refore . Create a list employees conteining dictionary coohwide name and department - Kess for individual Employees. 2- Open lie lor writing; . open the file specified bo file name in write mode using a with statemen

## output!

Name: Alice, DePartment: HR

Name: Bob, De-Partment: Bhaineenly Name: Charlie-DeParement: Prome

3 write Employee pales to file · Loop through tach confloyee in the employees · For each employee, format a string as "warme ¿employee[name]} peratment; semplace [2 c Parement] 3". - covite sere formatted string to the lile, fellow by a newline character (M). H. Execute the Program; · Call write - employee - report ("employee-& Bas Esté) eo contre de employment dater to the file "employee - report. tati def write -employee - relort (filename)! & name: falice", = deportment': "HR"}, ¿ "name": "Bob"; rde partment": "Bingineering"}, ¿"name": "Charlie", "department": "pinorce"} with open (filename, "w") as lile for employees! line = f "Name: Semployee [ name]], below then to Zemployee ['dePartment]]/n' File, write (ine)

File, write ( **VEL TECH** Result Thus, the Python Propretby implement colonies tent file operations was successfully executed and the outful was verified.