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|----------|--|
| - | Chapter 9 - File I/O |
| - | To tool Alexander and the second seco |
| - | The rundom Access memory is Volatile and all its |
| - | Contents were lost once a program ferminates |
| - | The transform Access memory is volatile and all its contents are lost once a program ferminates In order to persist the data forever, we use files |
| - | A File is dt aloud in a alum di A Du |
| | H tile is main stored in he storage device. A rython |
| | program want tack to the tile by relating content |
| | A file is data stored in a storage device A Python program can talk to the file by reading content from it and writing content to it |
| | |
| | Comp. Program Written in Python Read FILE |
| | Read Read |
| | Programmer RAM = Volatile |
| | HDD = Non Volatile |
| | Tubel al Files |
| | There are 2 luber of files. |
| | Types of files There are 2 types of files: Text files (.txt, c etc) Binary files (.Jpg, dat, etc) |
| 7 | Binary Giles (.) by dat et) |
| <u> </u> | miles will node to |
| | Python has a lot of functions for reading, updating and deleting files |
| | and deleting files. |
| | anitability val mode and a |
| | Obening a file |
| | Python has an oben () function for opening files. It |
| | Opening a file Python has an open() function for opening files. It takes 2 parameters: filename and made. |
| | |
| | Oben (" this txt" "r") |
| hi | I mode of opening (read mode) |
| N | Open ("this txt", "r") Filename Filename |
| | open is a built-in function |
| | |

Writing files in Python

In order to write to a file, we first open it in write or append mode after which, we use the python's f. write() method to write to the file!

f = open ("this. txt", "w")

f. write ("This is nice") → (an be called multiple times

f. Close() With statement The best way to open and close the file automatically is the with statement with open ("this txt") as f:

f. read ()

Don't need to write f. clase()

as it is done automatically. while a program to senerate multiplication to from 2 to 20 with write it to the di A Fly Rondows a word "Runky" multiple transis with a program to prime a log wite is proposed to find but the

| | Chapter 9- Practice Set |
|-----|---|
| 1 | Write a program to read the text from a given file poems txt and find out whether it contains the word twinkle. |
| 2 | The game () function in a program lets a user play a game and returns the score as an integer. You need to read a file 'History txt' which is either blank or contains the previous Hi-score. |
| 175 | is either blank or contains the previous Hi-score. You need to write a program to update the Hi-score whenever game() breaks the Hi-score. |
| 3 | Write a program to generate multiplication tables from 2 to 20 varia write it to the different files. Place these files in a folder for a 13- year old. |
| 4 | A file Contains a word "Donkey" multiple times you need to write a program which replaces this word with ###### by updating the Same file. |
| 5 = | Repeat program 4 for a list of such words to be consored. |
| ě | Write a program to mine a log file and find out whether it contains 'python': |
| 7 | Write a program to find out the line number where python is present from Ques 6 |
| | |

| 8 | Write a program to make a copy of a text file "this txt" |
|------|--|
| 9 | Write a program to find out whether a file is identical & matches the content of another file. |
| 10 | Write a program to wipe out the contents of a file using python |
| 11/2 | Write a python program to rename a file to "renamed by python txt" |
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