



python

Programming Essentials

Day 9

File Handling

Allows the user to read, write, update, and delete files.

`open()` - to open a file and returns a file object
`read()`, `readline()` - read content of the file
`write()` - to write to an existing file
`close()` - close the file
`delete()` - remove files



Open File

```
file = open("file.txt", [r,a,w,x])
```

- "r" – Read – Opens a file for reading, error if the file does not exist
- "a" – Append – Opens a file for appending, creates the file if it does not exist
- "w" – Write – Opens a file for writing, creates the file if it does not exist
- "x" – Create – Creates the specified file, returns an error if the file exists

+ operator can be used to concatenate two strings or tuples together.

Read File

```
file = open("file.txt","r")  
print(file.read())  
file.close()
```

Write to a File

```
file = open("info.txt", "a")  
file.write("New Text")  
file.close()
```

```
file = open("info.txt", "r")  
print(file.read())
```

Remove File

To delete a file, you must import the **OS module**, and run its `os.remove()` function:

```
import os
```

```
os.remove("file.txt")
```

Day 9 Act 1

1. Create a Record Keeping App
2. It will display the following options
 - a. Add Record
 - b. View Records
 - c. Clear All Records
 - d. Exit
3. If A: The user will input the following information (name, email, address)
4. The app will save the information in a text file.
5. If B, display the saved records
6. If C, clear the text file and display "No records found."
7. If D, display "Thank you"