

Program to create, write and view files

This is a simple File Handling Project to create a file, write in the file according to the number of given lines and then view the file.

Step 1: Define Functions

Define a function named `create_file()` to handle the creation of a new text file.

- Inside this function, prompt the user to enter the name of the file.
- Ask the user to specify the number of lines they want to write to the file.
- Using a loop, prompt the user to input each line of text.
- Write each line to the file.
- Print a success message once the file is created.

Define another function named `view_file()` to view the contents of an existing text file.

- Inside this function, prompt the user to enter the name of the file they want to view.
- Attempt to open the specified file in read mode.
- If the file is found, print its contents line by line.
- If the file is not found, print a message indicating so.

Define a function `delete_file()` to delete the file if prompted:

- Prompt the user to enter the name of the file they want to delete.
- Use `os.remove()` to delete the specified file.
- Print a success message if the file is deleted successfully.
- If the file is not found, print a corresponding message.

Step 2: Implement the Main Logic

- Write a loop to present a menu to the user and handle their choices →
HINT:while True() loop
 - Print options for the user:
 - Create a new file
 - View an existing file
 - Delete a file
 - Exit the program
 - Prompt the user to enter their choice.
 - Based on the user's choice, call the appropriate function (`create_file()`, `view_file()`, `delete_file()`), or exit the program if they choose to do so.

Step 3: Execute the Program

Execute the main logic of the program by calling the main loop.

Step 4: Test the Program

- Test the program by running it and verifying that it behaves as expected.
- Create new files with custom content, view existing files, and delete files to ensure the functionalities work correctly.
- Test boundary cases, such as entering invalid file names or choosing invalid menu options, to ensure proper error handling.