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Self-Made Assignment - C Language

Concept of File and File Handling in C Language

**Assignment Title:** Write and Read Student Names in a File.

**Assignment Description:**

Write a C program that:

1. Creates a file named `students.txt`.
2. Allows the user to enter **5 student names** (one by one).
3. Writes all the names into the file.
4. Reads the names from the file and displays them on the screen.

**Instructions:**

- Open `students.txt` in write mode.
- Use a loop to get 5 names from the user and write them to the file.
- Close the file.
- Open the file again in read mode.
- Read each name and print it.
- Close the file.

**Output:**

```
Enter the name of student 1: Alice
Enter the name of student 2: Bob
Enter the name of student 3: Charlie
Enter the name of student 4: Diana
Enter the name of student 5: Ethan

Reading names from the file:

Student 1: Alice
Student 2: Bob
Student 3: Charlie
Student 4: Diana
Student 5: Ethan
```