11. Use property decorators (@property) for available_books_count.
12. Create an abstract base class (ABC) Person, inherited by Member and Librarian.
13. Demonstrate multiple inheritance by creating a ResearchScholar who is both StudentMember and FacultyMember.
14. Overridestr andrepr methods for clean debugging outputs.
15. Add a Singleton pattern for the Library class (only one instance should exist).
16. Implement a Factory Method for creating different types of members (StudentMember, FacultyMember).
17. Add Method Chaining support, e.g., library.add_book().register_member().
18. Create a mixin class that adds to_json() and from_json() methods for books and members.
C. Error Handling & Robustness
19. Write custom exception classes: BookNotAvailableError, MemberNotFoundError.
20. Add a try-except-else-finally block around file reading/writing with proper error logging.