Java Assessment- Day2

Define a class to represent the class account. Include the following members.

Data Members

1. Name of the depositor
2. Account Number
3. Type of Account
4. Balance amount in the account

Member functions(use Methods.)

1. To assign initial values
2. To deposit an amount
3. To withdraw an amount after checking the balance
4. To display name and balance
5. A Book Shop maintains the inventory of books that are being sold at the shop. The list includes details such as author, title, price, publisher and stock position. Whenever a customer wants a book, the salesperson inputs the title and author and the system searches the list and displays whether it is available or not. If it is not, an appropriate message is displayed. If it is then the system displays the book details and requests for the number of copies required. If the requested copies are available, the total cost of the requested copies is displayed. Otherwise the message”Required copies not in the stock” is displayed.
6. Improve the system design with the following features:
7. The price of the books should be updated as and when required. Use a private member function to implement this.
8. The stock value of each book should be automatically updated as soon as a transaction is completed.
9. The number of successful and unsuccessful transactions should be recorded for the purpose of statistical analysis. Use static data member to keep count of transactions.