

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 sales person 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 required copies is displayed, otherwise the message “Sorry! These many copies are not in stock” is displayed. Design a system using a class called stock with suitable member functions and constructors.

Specific task Group Member-1

1. Display all the books whose author name is ‘Nark John’.
2. Display all the books along with their author, title, price and publisher sorted according to price lowest to highest.
3. Display all the books whose copies are not available in the stock.

Specific task Group Member-2

4. Display all the books whose names start with ‘S’.
5. Display all the details of the books whose publisher name is ‘SChand’
6. Display all the books whose price is between 100 to 500.

Specific task Group Member-3

7. Display all the books whose title is between 10-20 characters
8. Display all the books which are currently not available in the stock.