import java.util.Scanner;

/\*\*

\*

\* @author bhara

\*/

public class BookManager {

private String[] bookList;

private int bookCount;

public BookManager(int size) {

bookList = new String[size];

bookCount = 0;

}

public void addBook(String title) {

if (bookCount < bookList.length) {

bookList[bookCount] = title;

bookCount++;

System.out.println("Book added: " + title);

}

}

public void searchBook(String title) {

boolean found = false;

for (int i = 0; i < bookCount; i++) {

if (bookList[i].equalsIgnoreCase(title)) {

System.out.println("Book found: " + bookList[i]);

found = true;

break;

}

}

if (!found) {

System.out.println("Book not found: " + title);

}

}

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

System.out.println("Enter the size of the book list: ");

int size = sc.nextInt();

sc.nextLine();

BookManager manager = new BookManager(size);

manager.addBook("The Great Gatsby");

manager.addBook("1984");

manager.addBook("To Kill a Mockingbird");

manager.addBook("Pride and Prejudice");

manager.addBook("Moby-Dick");

manager.addBook("The Catcher in the Rye");

System.out.println("Enter book title to search: ");

String book = sc.nextLine();

switch (book) {

case "The Great Gatsby":

System.out.println("Author: F. Scott Fitzgerald");

System.out.println("Cost: 200");

System.out.println("stock:7");

manager.searchBook(book);

break;

case "1984":

System.out.println("Author: George Orwell");

System.out.println("Cost: 350");

System.out.println("stock:3");

manager.searchBook(book);

break;

case "To Kill a Mockingbird":

System.out.println("Author: Harper Lee");

System.out.println("Cost: 400");

System.out.println("stock:2");

manager.searchBook(book);

break;

case "Pride and Prejudice":

System.out.println("Author: Jane Austen");

System.out.println("Cost: 500");

System.out.println("stock:1");

manager.searchBook(book);

case "Moby-Dick":

System.out.println("Author: Herman Molville");

System.out.println("Cost: 480");

System.out.println("stock:9");

manager.searchBook(book);

break;

case "The Catcher in the Rye":

System.out.println("Author: J.D. Salinger");

System.out.println("Cost: 280");

System.out.println("stock:13");

manager.searchBook(book);

break;

default:

System.out.println("Book not found in the predefined list.");

manager.searchBook(book);

break;

}

sc.close();

}

}

OUTPUT:

Enter the size of the book list:

3

Book added: The Great Gatsby

Book added: 1984

Book added: To Kill a Mockingbird

Enter book title to search:

1984

Author: George Orwell

Cost: 350

stock:3

Book found: 1984