import java.util.Scanner;

class BookManager {

private String[] bookList;

private int currentIndex = 0;

public BookManager(int size) {

bookList = new String[size];

}

public void addBook(String bookTitle) {

if (currentIndex < bookList.length) {

bookList[currentIndex] = bookTitle;

currentIndex++;

} else {

System.out.println("Book list is full, cannot add more books.");

}

}

public void searchBook(String bookTitle) {

boolean found = false;

for (String title : bookList) {

if (title != null && title.equalsIgnoreCase(bookTitle)) {

found = true;

break;

}

}

if (found) {

System.out.println("Book found: " + bookTitle);

} else {

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

}

}

public void calculateTotalPrice(int cost, int stock, int quantity) {

if (quantity <= stock) {

int totalPrice = cost \* quantity;

System.out.println("Total price for " + quantity + " copies: " + totalPrice);

} else {

System.out.println("Insufficient stock. Only " + stock + " copies available.");

}

}

}

public class project {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

BookManager manager = new BookManager(7);

manager.addBook("GoldenTemple");

manager.addBook("The god of small things");

manager.addBook("The shadow lines");

manager.addBook("Midnight Children");

manager.addBook("The Adventures of Sherlock Holmes");

manager.addBook("Four Stars of Destiny");

manager.addBook("Sanskriti ke Ayaam");

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

String book = sc.nextLine();

int cost = 0, stock = 0;

switch (book) {

case "GoldenTemple":

System.out.println("Author: Gopika");

cost = 243;

stock = 9;

break;

case "The god of small things":

System.out.println("Author: Arundhati Roy");

cost = 130;

stock = 8;

break;

case "The shadow lines":

System.out.println("Author: Amitav Ghosh");

cost = 400;

stock = 6;

break;

case "Midnight Children":

System.out.println("Author: Salman Rushdie");

cost = 350;

stock = 5;

break;

case "The Adventures of Sherlock Holmes":

System.out.println("Author: Sir Arthur Conan Doyle");

cost = 400;

stock = 6;

break;

case "Four Stars of Destiny":

System.out.println("Author: General Manoj Mukund Naravane");

cost = 150;

stock = 11;

break;

case "Sanskriti ke Ayaam":

System.out.println("Author: Manorama Mishra");

cost = 250;

stock = 16;

break;

default:

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

manager.searchBook(book);

sc.close();

return;

}

manager.searchBook(book);

System.out.println("Enter the quantity you want to purchase: ");

int quantity = sc.nextInt();

manager.calculateTotalPrice(cost, stock, quantity);

sc.close();

}

}

Output:

Enter book title to search:

Midnight Children

Author: Salman Rushdie

Enter the quantity you want to purchase:

2

Total price for 2 copies: 700