PROGRAM:

import java.util.Scanner;

public class Bookshop {

int n = 7;

String[] title = {"Adventures of Tom Sawyer", "Ben Hur", "Time Machine", "Anna Karenina", "To Kill a Mockingbird", "1984", "The Great Gatsby"};

String[] author = {"Mark Twain", "Lewis Wallace", "H.G. Wells", "Leo Tolstoy", "Harper Lee", "George Orwell", "F. Scott Fitzgerald"};

int[] cost = {450, 500, 600, 550, 300, 650, 700};

int[] stock = {4, 5, 6, 7, 8, 9, 3};

public static void main(String[] args) {

Bookshop bs = new Bookshop();

Scanner sc = new Scanner(System.in);

bs.search(sc);

sc.close();

}

void search(Scanner sc) {

System.out.println("\*\*\*\*Books present in the Bookshop are\*\*\*\*");

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

System.out.println("Title of the book: " + title[i]);

System.out.println("Stock of the book:"+stock[i]);

}

System.out.println("Enter the title of the book needed:");

String titkey = sc.nextLine();

System.out.println("Number of books needed:");

int numBooks = sc.nextInt();

sc.nextLine();

int bookIndex = -1;

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

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

bookIndex = i;

break;

}

}

if (bookIndex != -1) {

if (stock[bookIndex] >= numBooks) {

int totalPrice = numBooks \* cost[bookIndex];

stock[bookIndex] -= numBooks;

System.out.println("\*\*\*Details of the book you needed\*\*\*");

System.out.println("Title of the book: " + title[bookIndex]);

System.out.println("Author of the book: " + author[bookIndex]);

System.out.println("Cost per book: " + cost[bookIndex]);

System.out.println("Number of books left in the Bookshop: " + stock[bookIndex]);

System.out.println("Total cost for " + numBooks + " book(s): " + totalPrice);

} else {

System.out.println("Sorry, only " + stock[bookIndex] + " books are available.");

}

} else {

System.out.println("Book not present in the store");

}

}

}

OUTPUT:

\*\*\*\*Books present in the Bookshop are\*\*\*\*

Title of the book: Adventures of Tom Sawyer

Stock of the book:4

Title of the book: Ben Hur

Stock of the book:5

Title of the book: Time Machine

Stock of the book:6

Title of the book: Anna Karenina

Stock of the book:7

Title of the book: To Kill a Mockingbird

Stock of the book:8

Title of the book: 1984

Stock of the book:9

Title of the book: The Great Gatsby

Stock of the book:3

Enter the title of the book needed:

1984

Number of books needed:

2

\*\*\*Details of the book you needed\*\*\*

Title of the book: 1984

Author of the book: George Orwell

Cost per book: 650

Number of books left in the Bookshop: 7

Total cost for 2 book(s): 1300