

EduBridge



A Project

Report On

Library Management System

By

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B.C.A

Batch: 2020 – 5072

Center: Thane

Under the Guidance of,

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Technical Trainer

EduBridge

(School of coding)

Introduction:

This Project **Library Management System** has been developed on **Java, Swing, JSP and MySQL**. A library management and librarian can add/view/books, issue, view issued books and return books.

Software Requirements:

Front end: Java/J2EE technologies (Swing), HTML, CSS, JDBC.

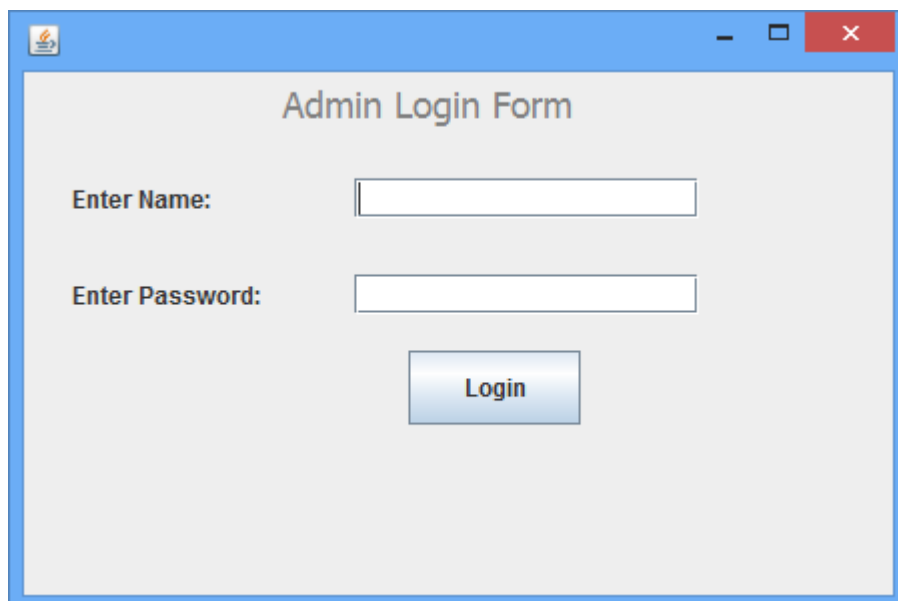
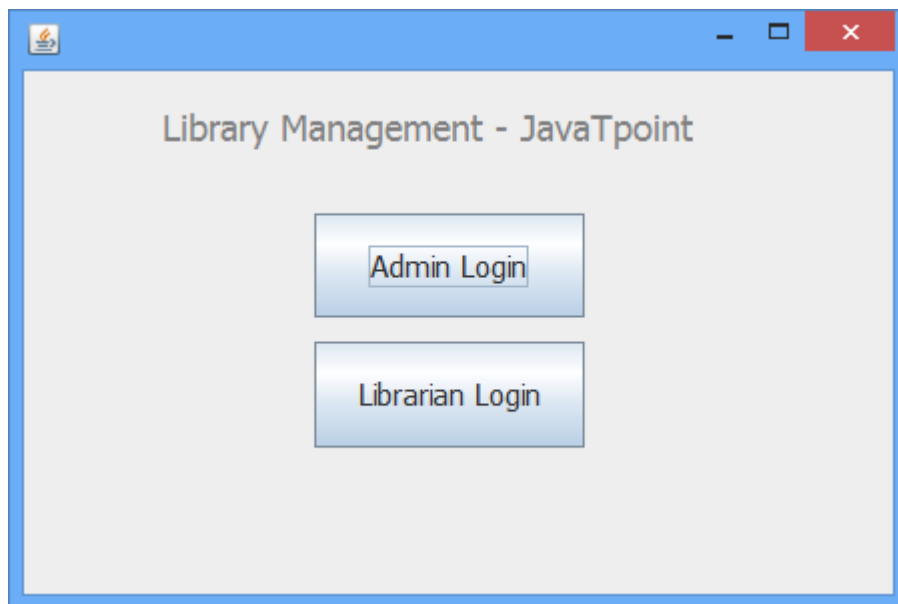
Back end: MySQL.

Server: Apache Tomcat v8.5V

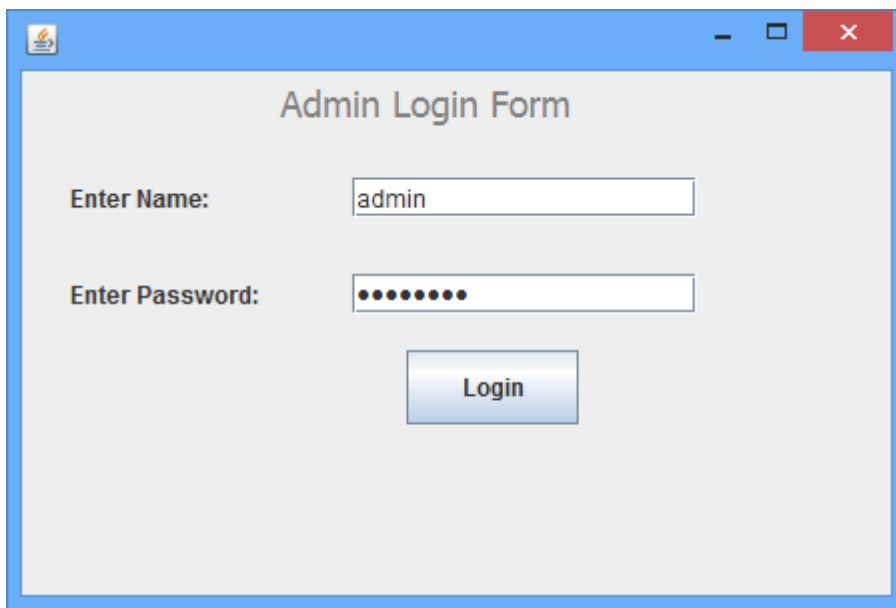
IDE: Eclipse IDE for Java EE Developers

Operating System: Window 10.

Library Management System Screen Shot



Write name and password: It must be **admin** for name and **admin123** for password



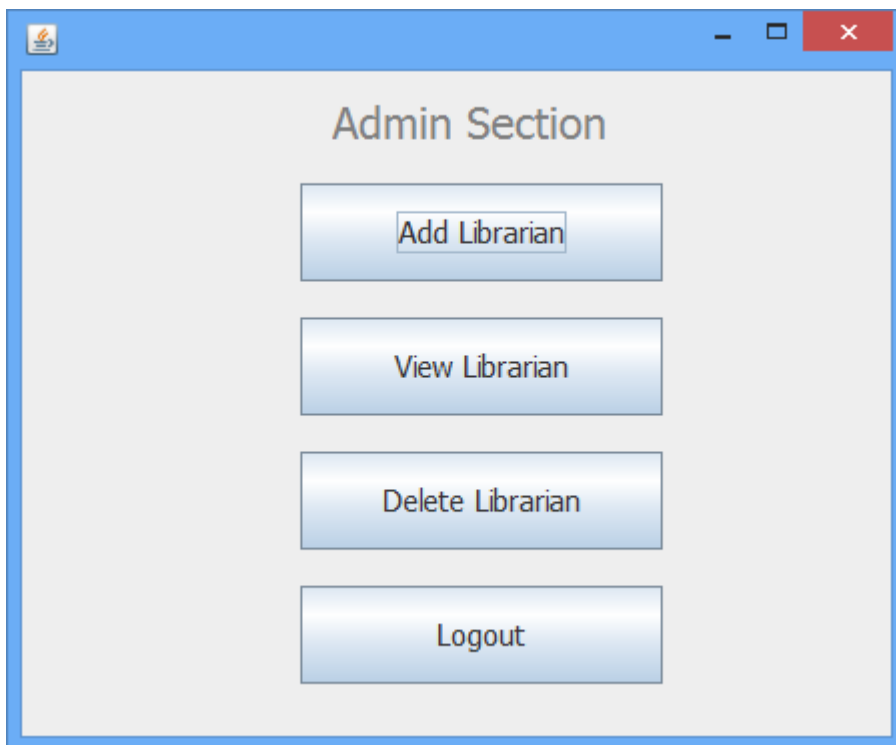
A screenshot of a Java Swing window titled "Admin Login Form". The window has a blue title bar with standard OS controls. The main content area is light gray. It contains two labels: "Enter Name:" and "Enter Password:". The "Enter Name:" label is followed by a text input field containing the text "admin". The "Enter Password:" label is followed by a password input field filled with ten black dots. Below these fields is a blue "Login" button.

Admin Login Form

Enter Name:

Enter Password:

Login



A screenshot of a Java Swing window titled "Admin Section". The window has a blue title bar with standard OS controls. The main content area is light gray. It contains four blue buttons arranged vertically: "Add Librarian", "View Librarian", "Delete Librarian", and "Logout".


Admin Section

Add Librarian

View Librarian

Delete Librarian

Logout

— □ ×

Add Librarian

Name:

Ajeet

Password:

•••••

Em...

ajeet

Address:

javatpoint

City:

noida


Contact No:

9990449935

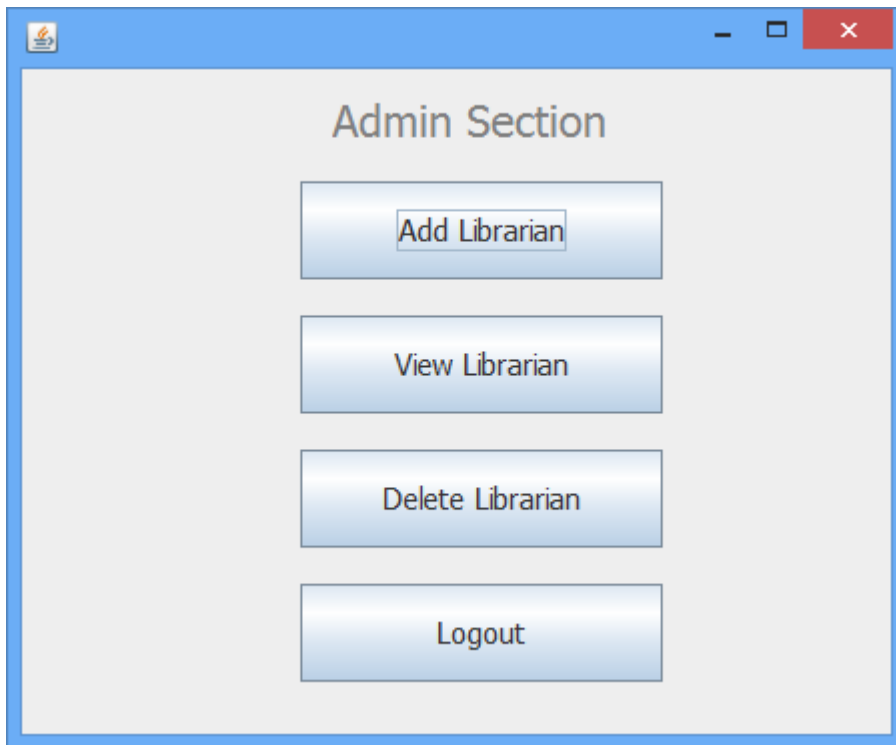
Add Librarian

Back

Message×

 Librarian added successfully!

OK

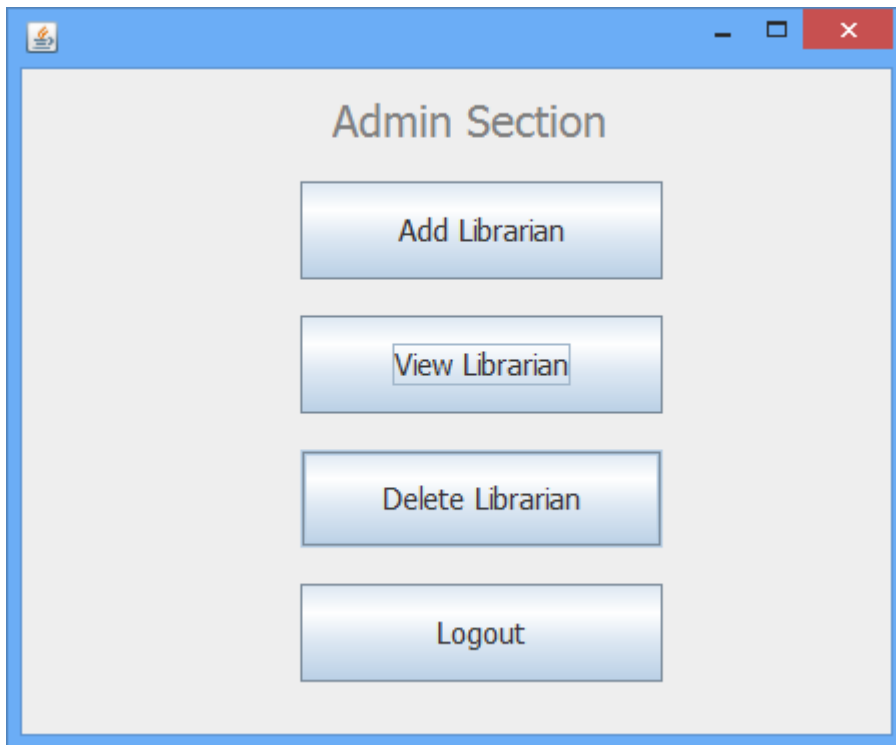


Now click on **view librarian** to see records of librarian.

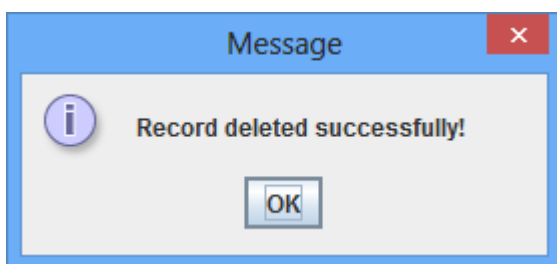
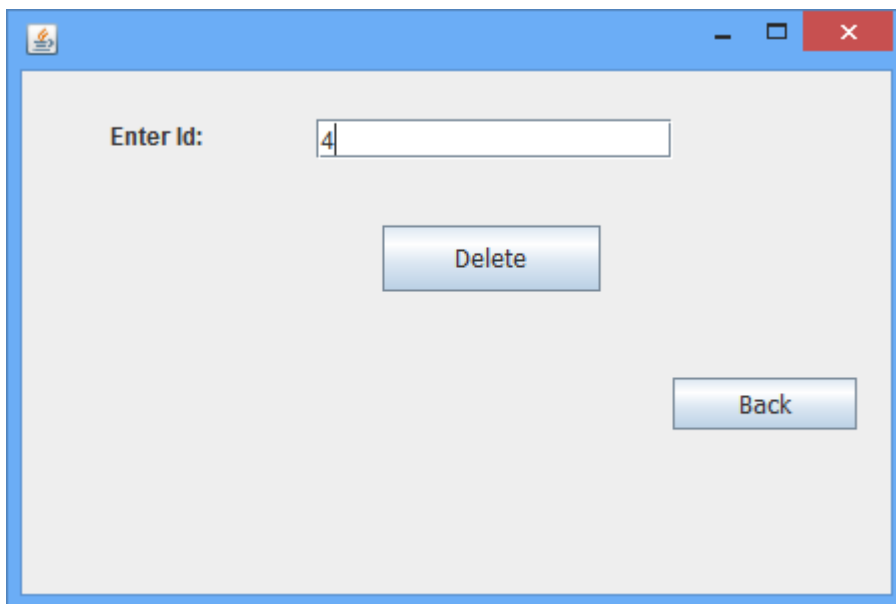
A screenshot of a web application window displaying a table of librarian records. The window has a blue border and a light gray background. The table has seven columns: id, name, password, email, address, city, and contact. It contains four rows of data. Below the table is a large empty gray area.

id	name	password	email	address	city	contact
1	Prabhakar	ppp	prabhakar@gm...	javatpoint	noida	9998328238
4	sumedh	sumesh	sumesh@gmai...	Kuch Bhi	noida	93823932823
6	abhi	abhi	abhi@gmail.com	javatpoint	noida	92393282323
7	Ajeet	ajeet	ajeet	javatpoint	noida	9990449935

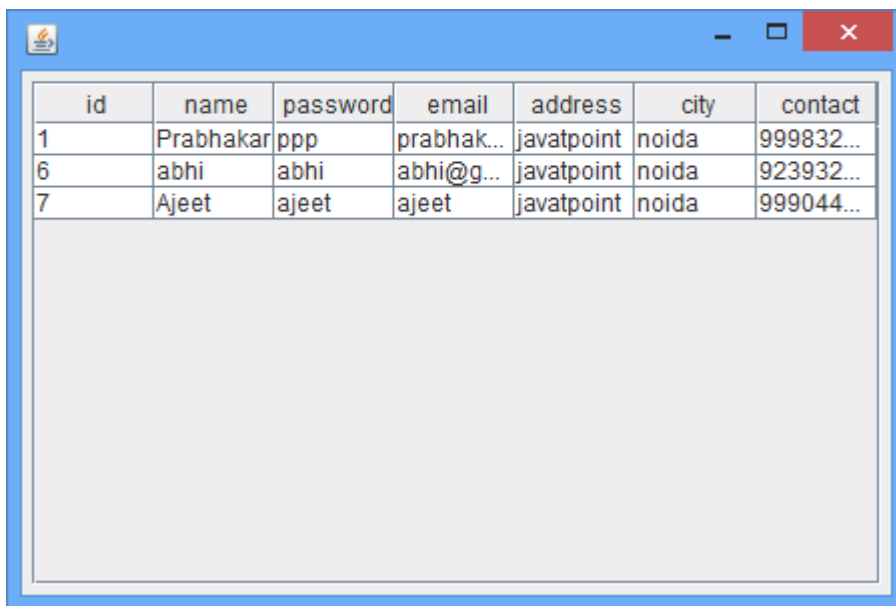
Now close the table.



Now click on **Delete Librarian**.



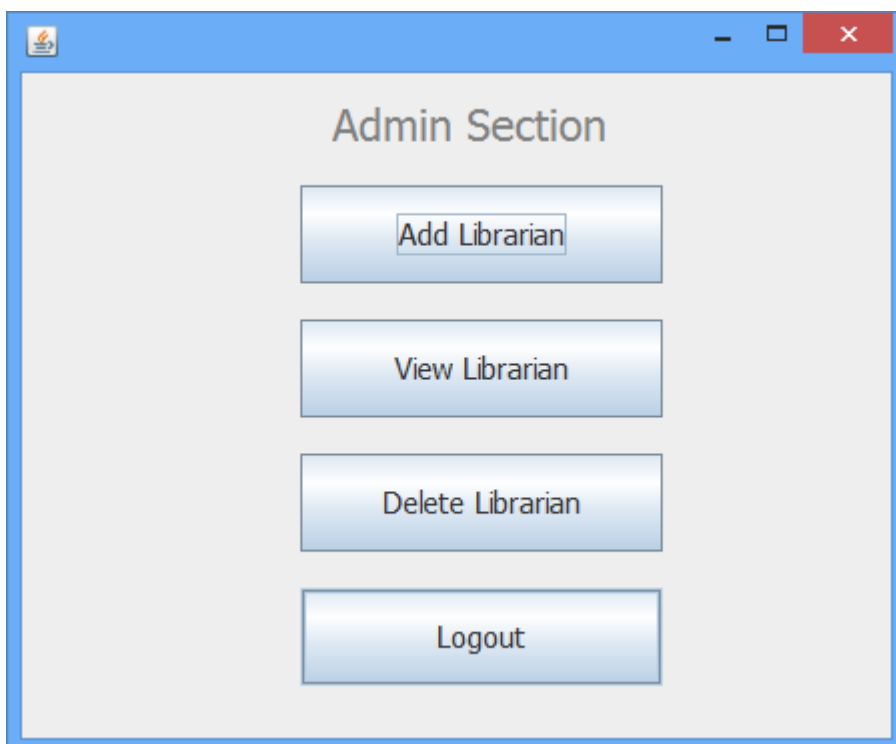
Again click on the **View Librarian** button. You can see librarian is deleted successfully.



A screenshot of a web application window with a blue title bar and standard Windows window controls. The window displays a table with 7 columns: id, name, password, email, address, city, and contact. The table contains 3 rows of data. Below the table is a large, empty light gray rectangular area.

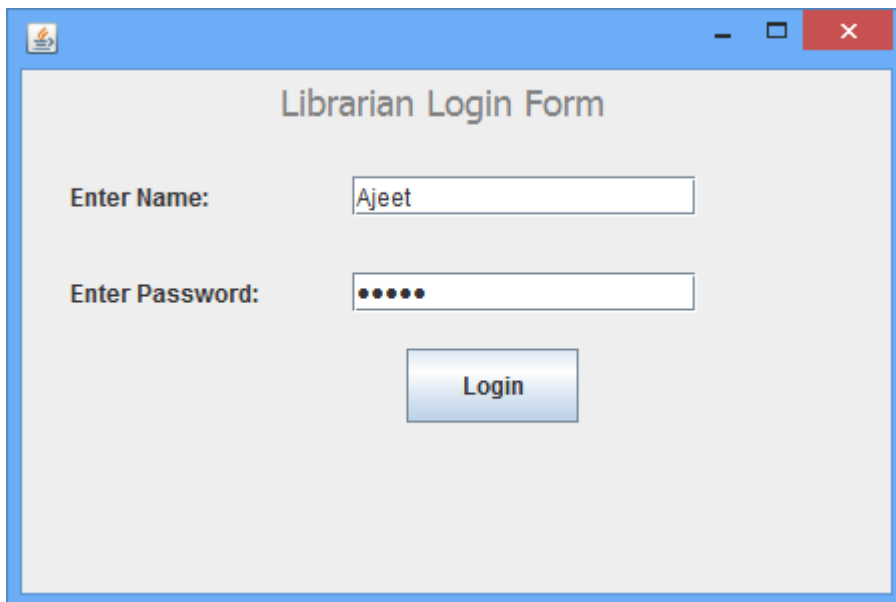
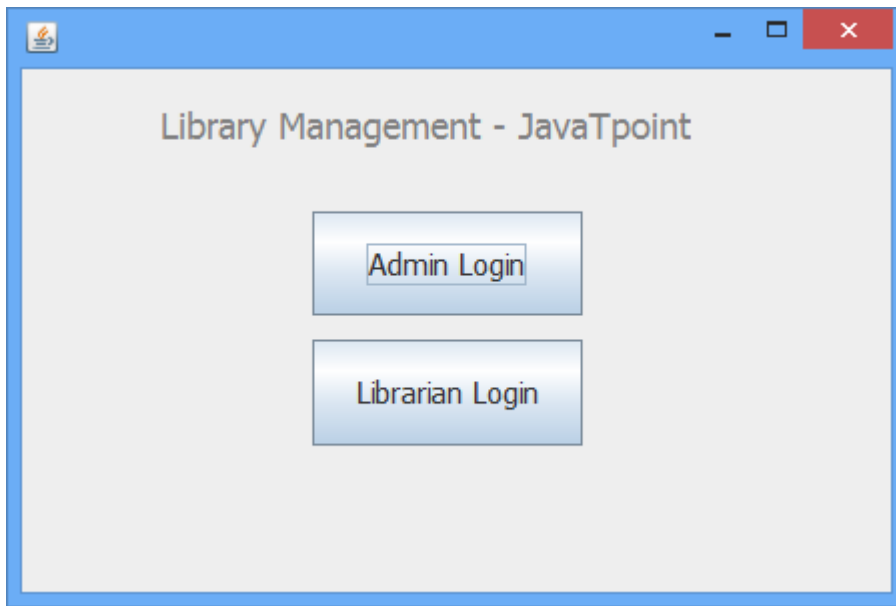
id	name	password	email	address	city	contact
1	Prabhakar	ppp	prabhak...	javatpoint	noida	999832...
6	abhi	abhi	abhi@g...	javatpoint	noida	923932...
7	Ajeet	ajeet	ajeet	javatpoint	noida	999044...

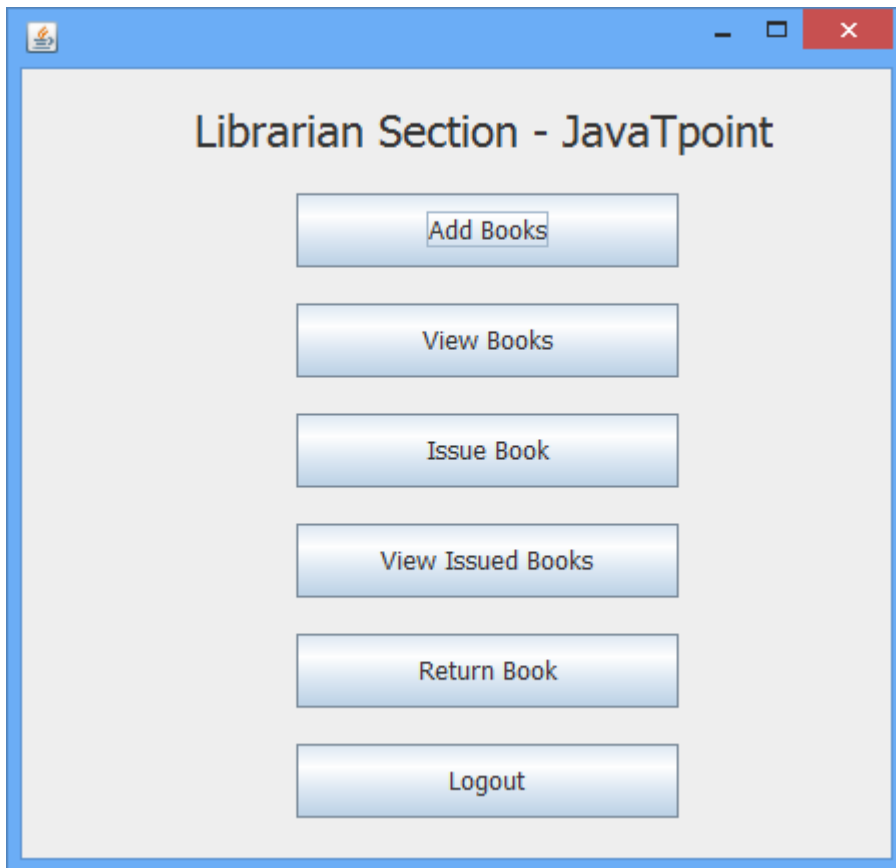
Now close the table.



A screenshot of a web application window titled "Admin Section". The window has a blue title bar and standard Windows window controls. The main content area is light gray and contains four blue buttons with white text, arranged vertically: "Add Librarian", "View Librarian", "Delete Librarian", and "Logout".

Now click on the **Logout** button.





A screenshot of a Java application window titled "Librarian Section - JavaTpoint". The window has a blue title bar with standard Windows window controls (minimize, maximize, close). The main content area is light gray and contains six blue buttons with white text, arranged vertically in the center. The buttons are: "Add Books", "View Books", "Issue Book", "View Issued Books", "Return Book", and "Logout".

Librarian Section - JavaTpoint

Add Books

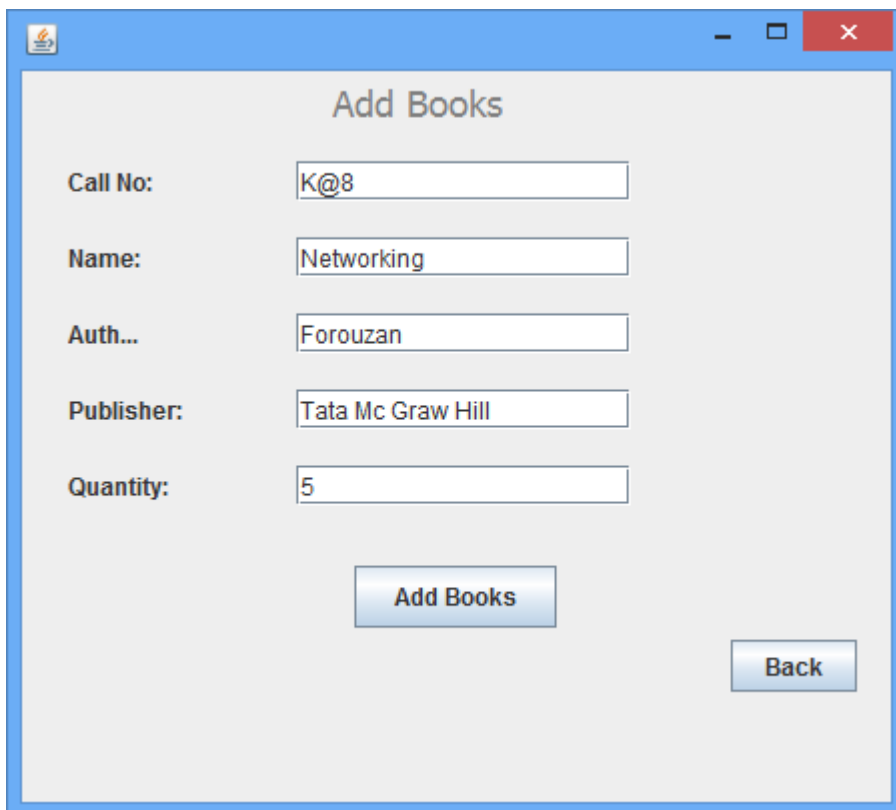
View Books

Issue Book

View Issued Books

Return Book

Logout



A screenshot of a Java application window titled "Add Books". The window has a blue title bar with standard Windows window controls. The main content area is light gray and contains a form with five text input fields, each preceded by a label. The labels and their corresponding values are: "Call No:" with "K@8", "Name:" with "Networking", "Auth..." with "Forouzan", "Publisher:" with "Tata Mc Graw Hill", and "Quantity:" with "5". Below the form, there are two blue buttons with white text: "Add Books" and "Back".

Add Books

Call No: K@8

Name: Networking

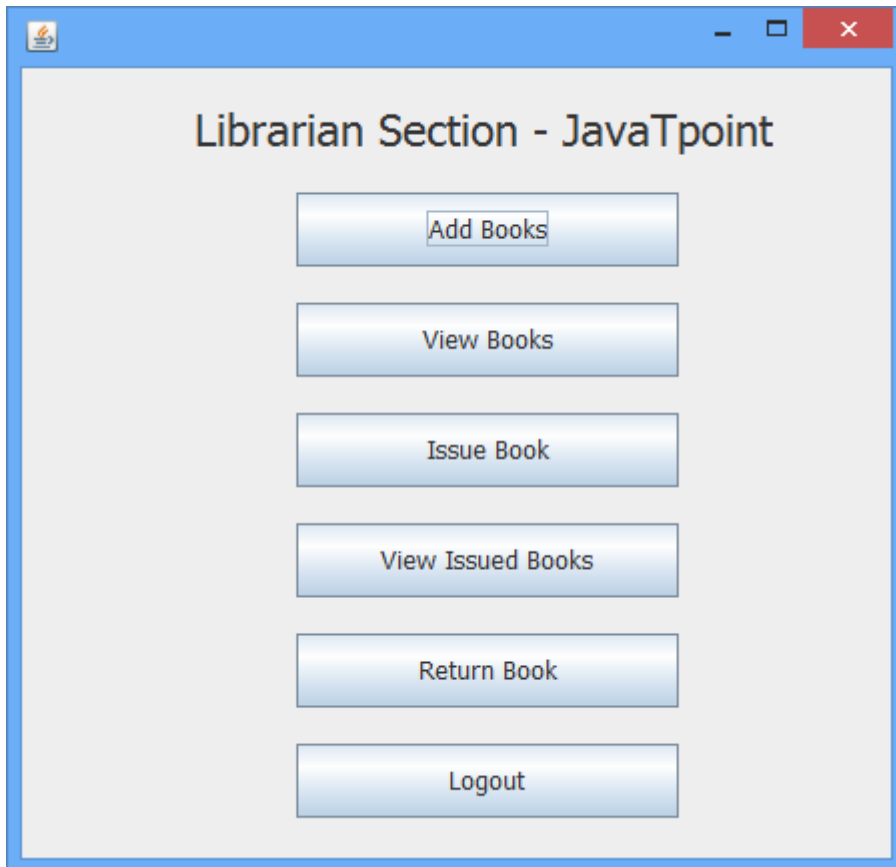
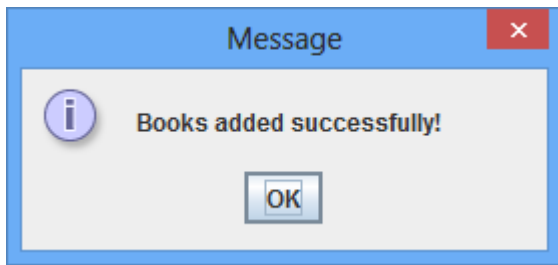
Auth... Forouzan

Publisher: Tata Mc Graw Hill

Quantity: 5

Add Books

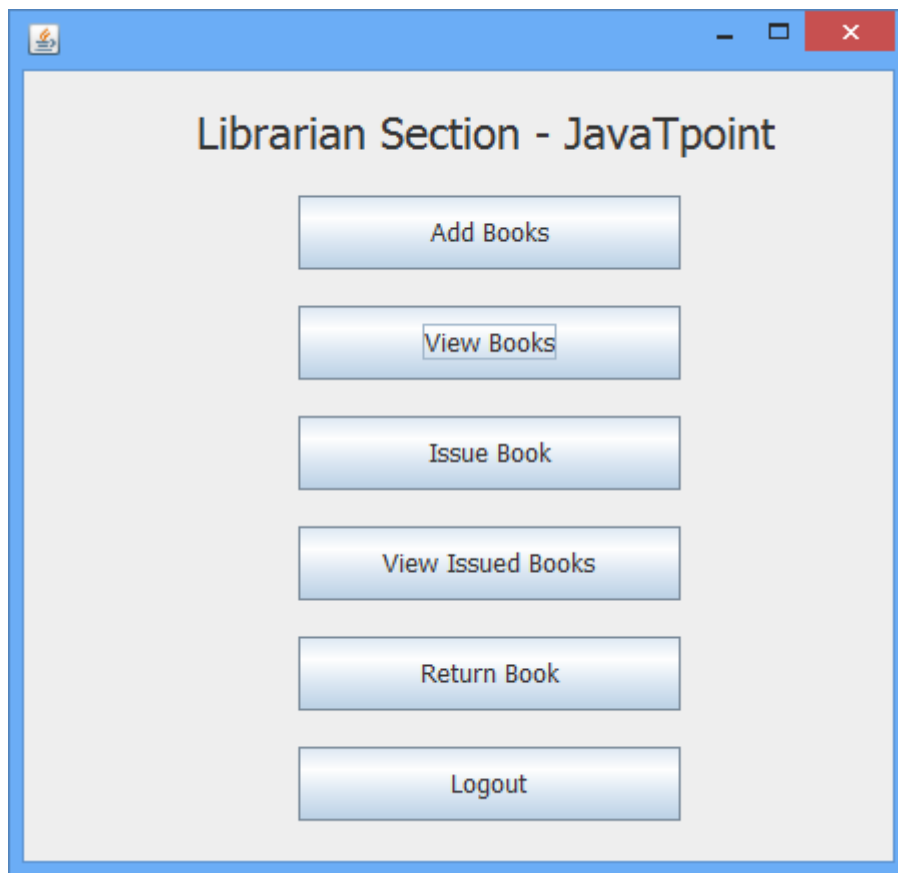
Back



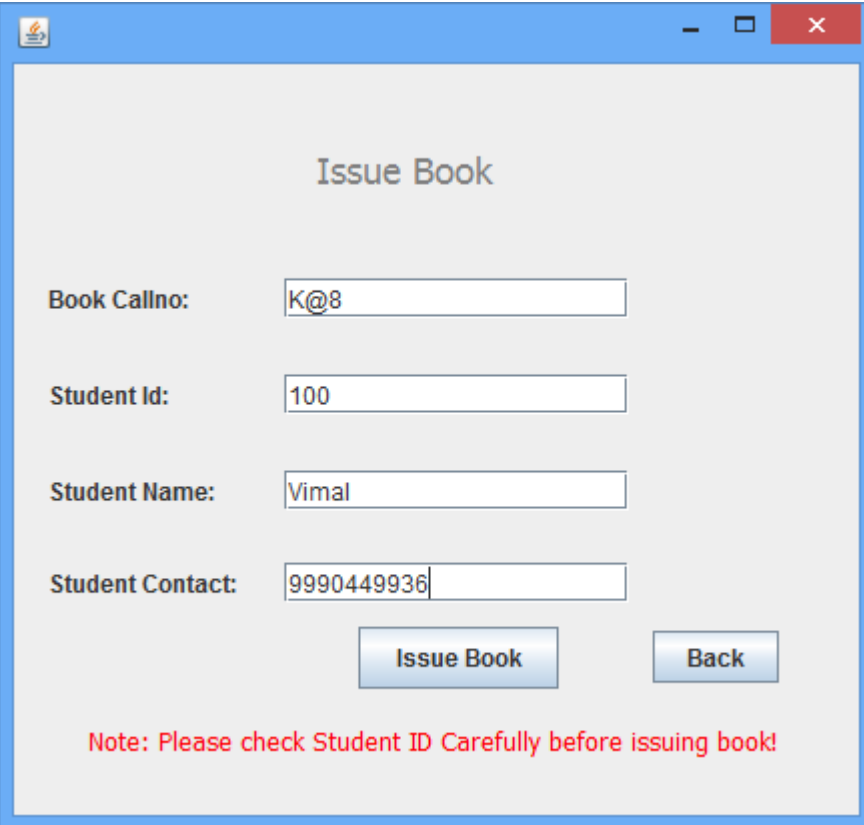
Now click on the **View Books** button. You can see record is added successfully.

id	callno	name	author	publisher	quantity	issued	added_date
1	A@4	C In Depth	Shrivastav	BPB	2	2	2016-07-20 ...
2	B@1	DBMS	Korth	Pearson	3	0	2016-07-19 ...
3	G@12	Let's see	Yashwant K...	BPB	10	0	2016-07-19 ...
4	K@8	Networking	Forouzan	Tata Mc Gra...	5	0	2016-07-20 ...

Now close the table.



Now click on **Issue Book** button.



Issue Book

Book Callno: K@8

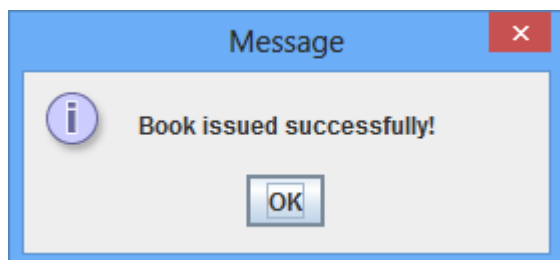
Student Id: 100

Student Name: Vimal

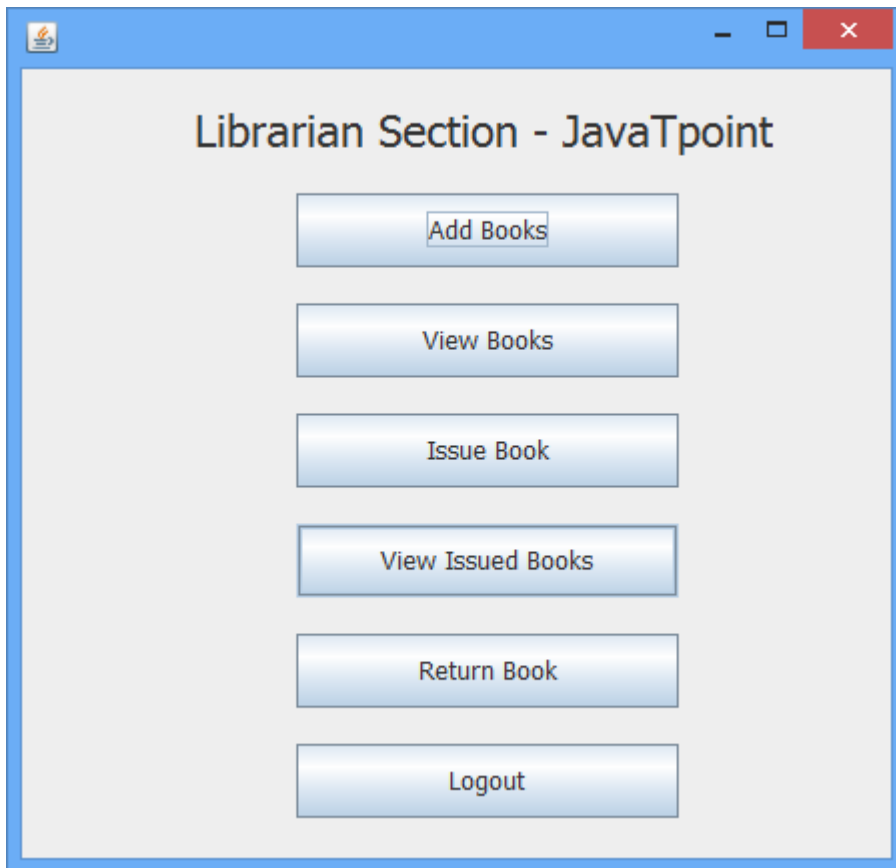
Student Contact: 9990449936

Issue Book Back

Note: Please check Student ID Carefully before issuing book!



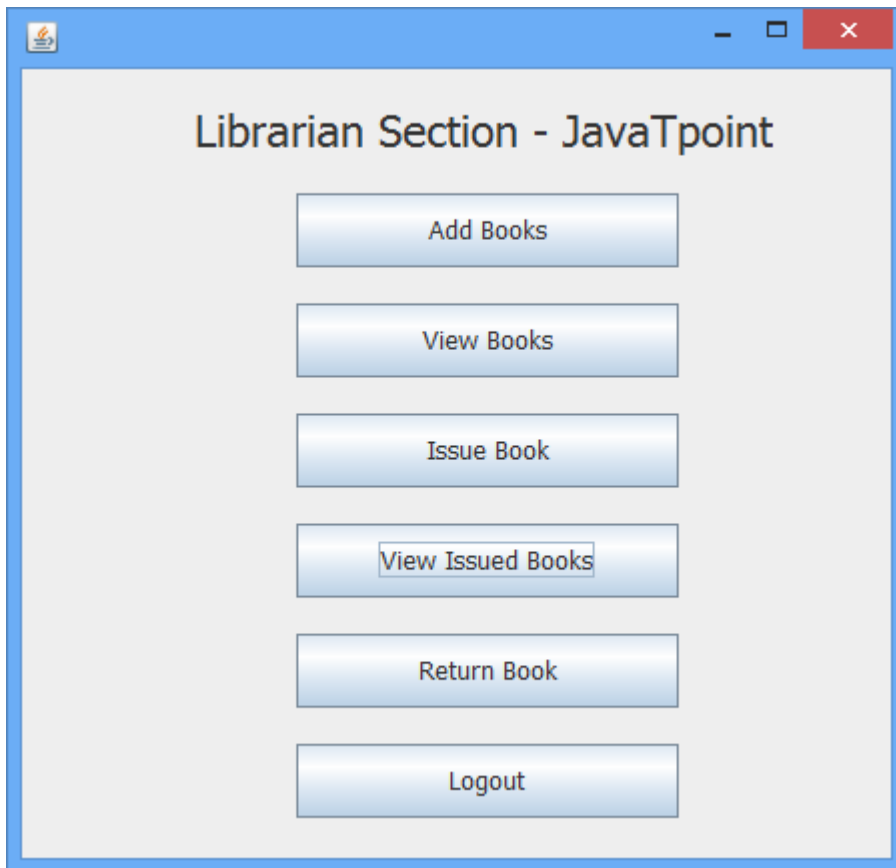
Now click on the **view issued books** button.



The screenshot shows a window containing a table with the following data:

id	bookcallno	studentid	studentname	studentcontact	issueddate
4	A@4	23	kk	932992932	2016-07-20 00:13...
6	A@4	335	Sumedh	95676565756	2016-07-20 00:14...
7	A@4	87	abhishek	9329882382	2016-07-20 00:16...
8	K@8	100	Vimal	9990449936	2016-07-20 01:38...

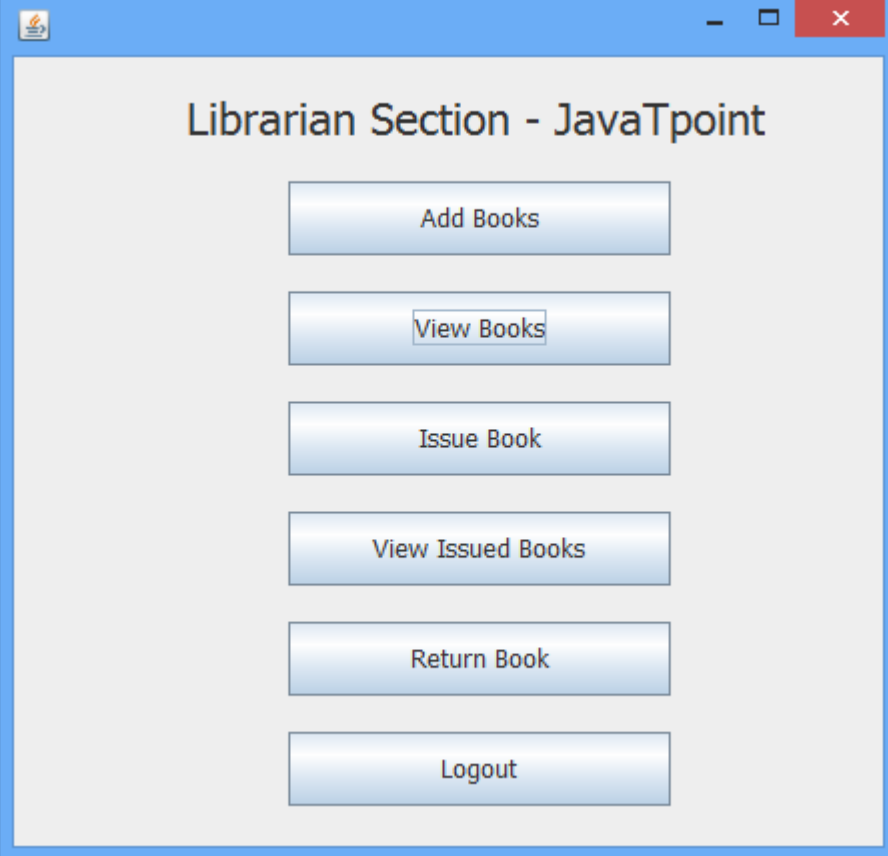
Below the table is a large, empty rectangular area.



Click on the **View Books** and see **quantity is decremented** and **issued is incremented**.

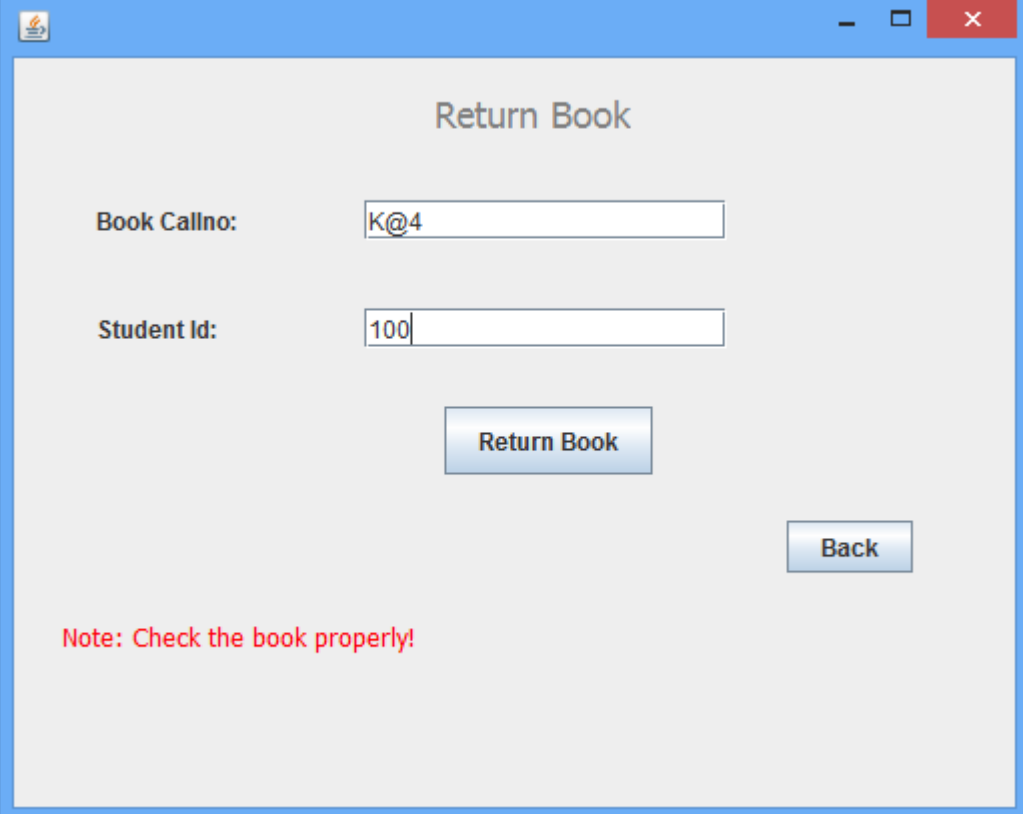
The screenshot shows the same window as before, but now displaying a table of books. The table has 8 columns: id, callno, name, author, publisher, quantity, issued, and added_date. There are 4 rows of data. Below the table is a large empty rectangular area.

id	callno	name	author	publisher	quantity	issued	added_date
1	A@4	C In Depth	Shrivastav	BPB	2	2	2016-07-20 ...
2	B@1	DBMS	Korth	Pearson	3	0	2016-07-19 ...
3	G@12	Let's see	Yashwant Ka...	BPB	10	0	2016-07-19 ...
4	K@8	Networking	Forouzan	Tata Mc Gra...	4	1	2016-07-20 ...

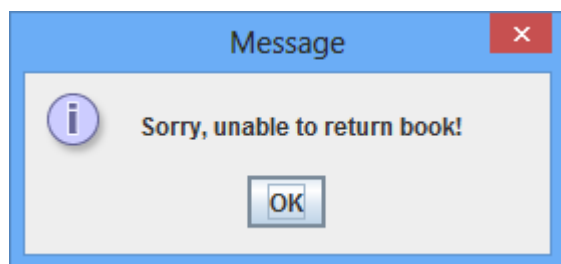


A screenshot of a Java application window titled "Librarian Section - JavaTpoint". The window has a blue title bar with standard Windows controls (minimize, maximize, close). The main content area is light gray and contains six blue buttons with white text, arranged vertically in the center: "Add Books", "View Books", "Issue Book", "View Issued Books", "Return Book", and "Logout".

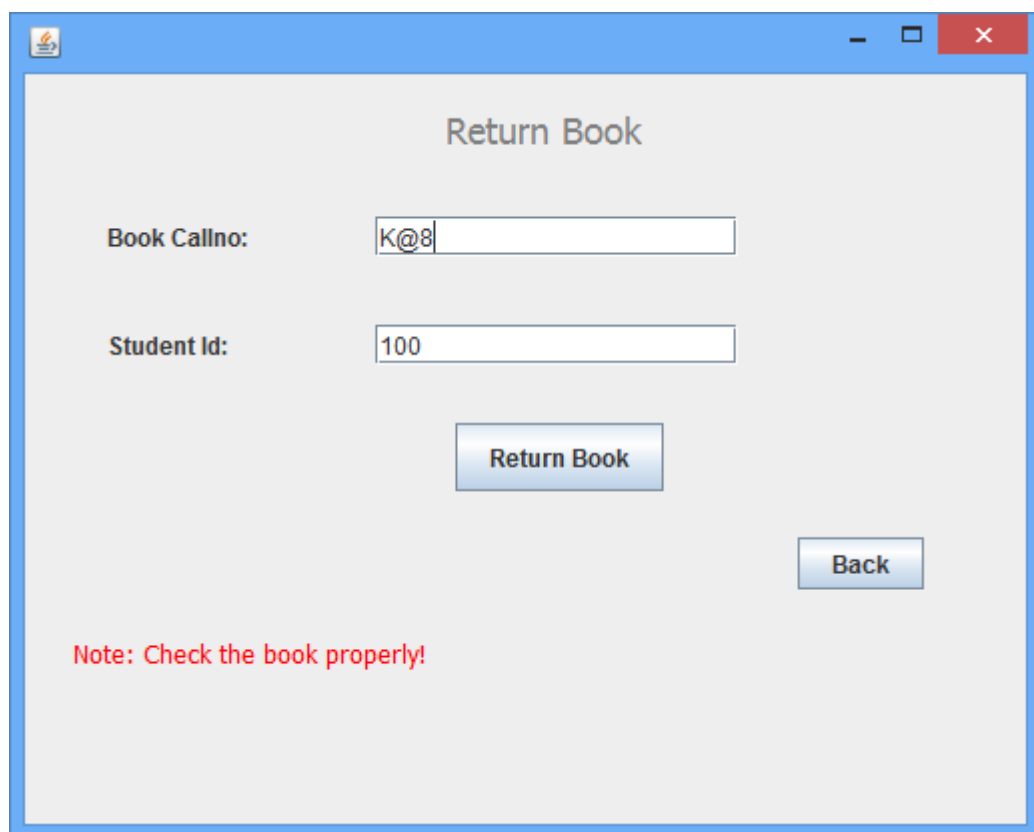
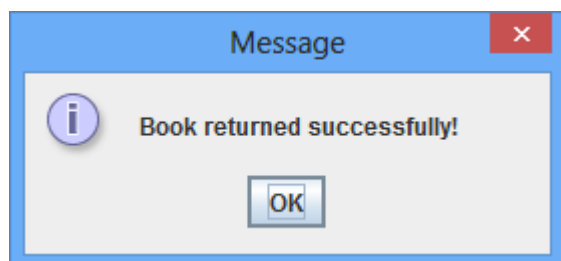
Now click on the **Return Book** button.



A screenshot of a Java application window titled "Return Book". The window has a blue title bar with standard Windows controls. The main content area is light gray and contains two input fields with labels to their left: "Book Callno:" followed by a text box containing "K@4", and "Student Id:" followed by a text box containing "100". Below these fields is a blue button with white text labeled "Return Book". To the right of this button is another blue button with white text labeled "Back". At the bottom left of the window, there is a red text label that reads "Note: Check the book properly!".



Write the correct Call no and Student Id:

A Windows-style application window titled "Return Book" with a blue title bar and standard window controls. The main area is light gray. It contains two input fields: "Book Callno:" with the text "K@8" and "Student Id:" with the text "100". Below these fields are two buttons: "Return Book" and "Back". At the bottom left, there is a red text note: "Note: Check the book properly!".

Again click on the **view issued book** button, record is deleted.

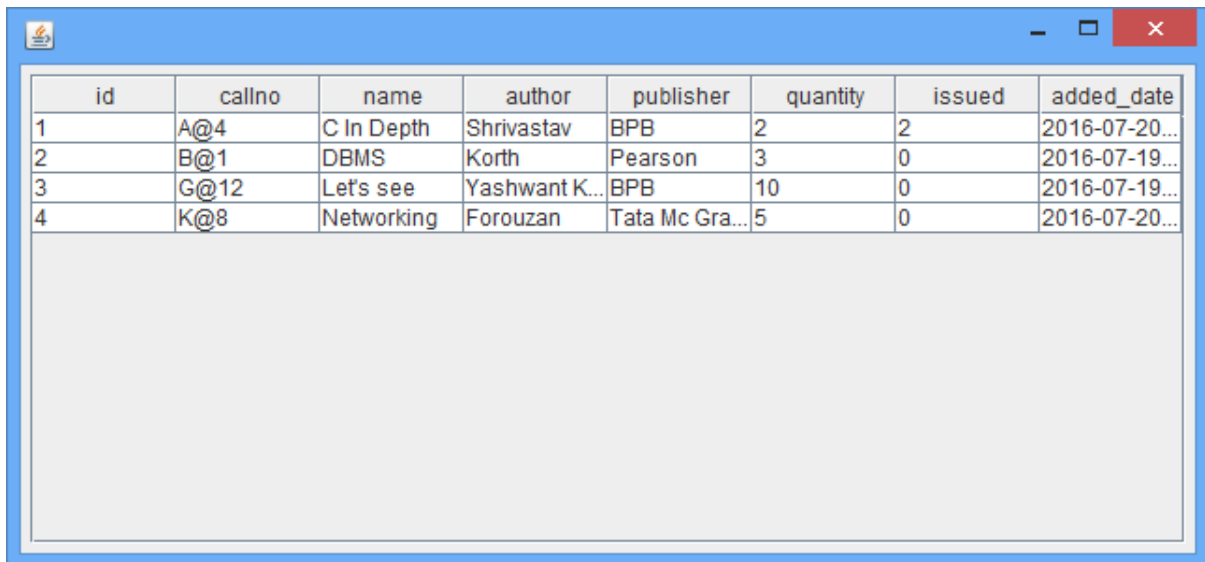
id	bookcallno	studentid	studentname	studentcontact	issueddate
4	A@4	23	kk	932992932	2016-07-20 00:1...
6	A@4	335	Sumedh	95676565756	2016-07-20 00:1...
7	A@4	87	abhishek	9329882382	2016-07-20 00:1...

Now close the table.

Librarian Section - JavaTpoint

Add Books
View Books
Issue Book
View Issued Books
Return Book
Logout

Click on the **View Books** button. You can see that **quantity is incremented** and **issued is decremented**.



A screenshot of a Java Swing window titled "Library Management System". The window contains a table with 8 columns: id, callno, name, author, publisher, quantity, issued, and added_date. The table has 4 rows of data. Below the table is a large, empty rectangular area, likely a placeholder for a list or details.

id	callno	name	author	publisher	quantity	issued	added_date
1	A@4	C In Depth	Shrivastav	BPB	2	2	2016-07-20...
2	B@1	DBMS	Korth	Pearson	3	0	2016-07-19...
3	G@12	Let's see	Yashwant K...	BPB	10	0	2016-07-19...
4	K@8	Networking	Forouzan	Tata Mc Gra...	5	0	2016-07-20...

Thank You!