

CSLR 51 : DBMS LAB-11

Roll no. : **106119100**

Name : **Rajneesh Pandey**

Section : **CSE-B**

SQL Data Base for Library Management System

The screenshot shows the phpMyAdmin interface for the 'library' database. The left sidebar displays the database structure, including 'information_schema', 'libdb', 'library', 'mysql', 'performance_schema', 'phpmyadmin', and 'test'. The 'library' database is selected, and the 'Structure' tab is active. The main panel shows a list of tables in the 'library' database:

Table	Action	Rows	Type	Collation	Size	Overhead
admin	[Browse] [Structure] [Search] [Insert] [Empty] [Drop]	1	InnoDB	latin1_swedish_ci	16.0 KiB	-
tblauthors	[Browse] [Structure] [Search] [Insert] [Empty] [Drop]	6	InnoDB	latin1_swedish_ci	16.0 KiB	-
tblbooks	[Browse] [Structure] [Search] [Insert] [Empty] [Drop]	2	InnoDB	latin1_swedish_ci	16.0 KiB	-
tblcategory	[Browse] [Structure] [Search] [Insert] [Empty] [Drop]	4	InnoDB	latin1_swedish_ci	16.0 KiB	-
tblissuedbookdetails	[Browse] [Structure] [Search] [Insert] [Empty] [Drop]	6	InnoDB	latin1_swedish_ci	16.0 KiB	-
tblstudents	[Browse] [Structure] [Search] [Insert] [Empty] [Drop]	5	InnoDB	latin1_swedish_ci	32.0 KiB	-
6 tables	Sum	24	InnoDB	utf8mb4_general_ci	112.0 KiB	0 B

Below the table list, there is a 'Create table' section with a 'Name' field and a 'Number of columns' field set to 4. A 'Go' button is present. The bottom of the interface shows a 'Console' tab.

The screenshot shows the phpMyAdmin interface for the 'admin' table in the 'library' database. The left sidebar displays the database structure, including 'information_schema', 'libdb', 'library', 'mysql', 'performance_schema', 'phpmyadmin', and 'test'. The 'library' database is selected, and the 'admin' table is selected. The 'Structure' tab is active. The main panel shows the data for the 'admin' table:

Showing rows 0 - 0 (1 total, Query took 0.0003 seconds)

```
SELECT * FROM `admin`
```

Below the query, there is a 'Query results operations' section with buttons for 'Print', 'Copy to clipboard', 'Export', 'Display chart', and 'Create view'.

localhost / 127.0.0.1 / library / tb...
localhost/phpmyadmin/index.php?route=/sql&server=1&db=library&table=tblauthors&pos=0

Server: 127.0.0.1 » Database: library » Table: tblauthors

Showing rows 0 - 5 (6 total, Query took 0.0004 seconds.)

```
SELECT * FROM `tblauthors`
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

					id	AuthorName	creationDate	UpdationDate
<input type="checkbox"/>	Edit	Copy	Delete		1	Salman	2017-07-08 18:19:09	2017-07-08 20:46:59
<input type="checkbox"/>	Edit	Copy	Delete		2	Hero	2017-07-08 20:00:23	2017-07-08 20:45:09
<input type="checkbox"/>	Edit	Copy	Delete		3	Rahul	2017-07-08 20:05:08	NULL
<input type="checkbox"/>	Edit	Copy	Delete		4	Verma	2017-07-08 20:05:21	NULL
<input type="checkbox"/>	Edit	Copy	Delete		5	Kumar	2017-07-08 20:05:36	NULL
<input type="checkbox"/>	Edit	Copy	Delete		9	Mohan	2017-07-08 20:52:03	NULL

Check all | With selected: Edit Copy Delete Export

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query results operations

Print Copy to clipboard Export Display chart Create view

Console

localhost / 127.0.0.1 / library / tb...
localhost/phpmyadmin/index.php?route=/sql&server=1&db=library&table=tblbooks&pos=0

Server: 127.0.0.1 » Database: library » Table: tblbooks

Showing rows 0 - 1 (2 total, Query took 0.0004 seconds.)

```
SELECT * FROM `tblbooks`
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

						id	BookName	CatId	AuthorId	ISBNNumber	BookPrice	RegDate	UpdationDate
<input type="checkbox"/>	Edit	Copy	Delete			1	Web Developer	5	1	222	20	2017-07-09 01:34:55	2017-07-15 11:24:41
<input type="checkbox"/>	Edit	Copy	Delete			3	Machine Learning	6	4	1111	15	2017-07-09 01:47:31	2017-07-15 11:43:17

Check all | With selected: Edit Copy Delete Export

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query results operations

Print Copy to clipboard Export Display chart Create view

Console

localhost / 127.0.0.1 / library / tblcategory

Server: 127.0.0.1 » Database: library » Table: tblcategory

Showing rows 0 - 3 (4 total, Query took 0.0002 seconds.)

```
SELECT * FROM `tblcategory`
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

					id	CategoryName	Status	CreationDate	UpdateDate
<input type="checkbox"/>	Edit	Copy	Delete	4	Travel	1	2017-07-05 00:05:25	2017-07-06 21:30:42	
<input type="checkbox"/>	Edit	Copy	Delete	5	Tech	1	2017-07-05 00:05:39	2017-07-08 22:43:03	
<input type="checkbox"/>	Edit	Copy	Delete	6	Space	1	2017-07-05 00:05:55	0000-00-00 00:00:00	
<input type="checkbox"/>	Edit	Copy	Delete	7	Business	0	2017-07-05 00:06:16	0000-00-00 00:00:00	

Check all | With selected: Edit Copy Delete Export

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query results operations

Print Copy to clipboard Export Display chart Create view

localhost / 127.0.0.1 / library / tblissuedbookdetails

Server: 127.0.0.1 » Database: library » Table: tblissuedbookdetails

Showing rows 0 - 5 (6 total, Query took 0.0003 seconds.)

```
SELECT * FROM `tblissuedbookdetails`
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

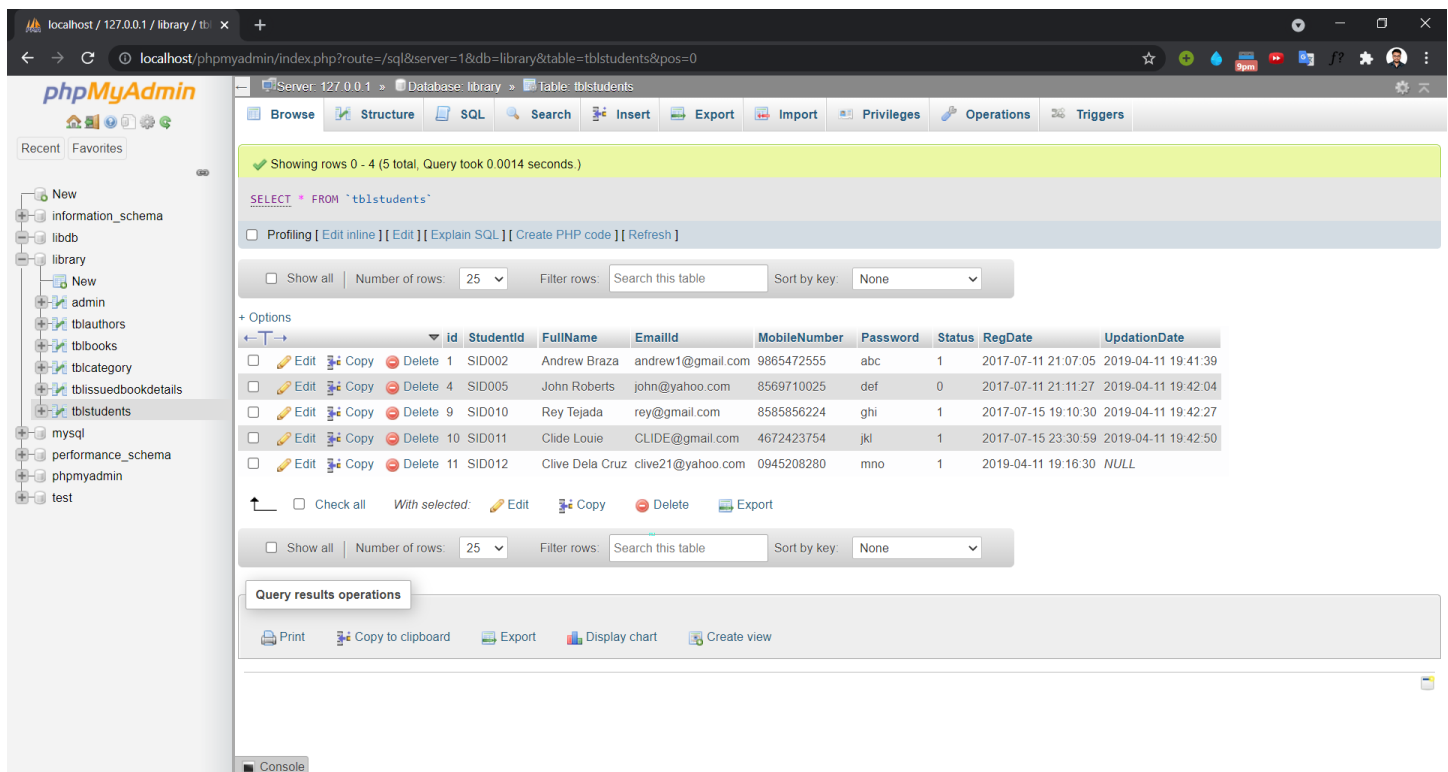
						id	BookId	StudentID	IssuesDate	ReturnDate	RetrunStatus	fine
<input type="checkbox"/>	Edit	Copy	Delete	1	1	SID1	2017-07-15 11:39:47	2017-07-15 16:45:20	1	0		
<input type="checkbox"/>	Edit	Copy	Delete	2	1	SID1	2017-07-15 11:42:27	2017-07-15 16:45:23	1	5		
<input type="checkbox"/>	Edit	Copy	Delete	3	3	SID1	2017-07-15 11:43:40	NULL	0	NULL		
<input type="checkbox"/>	Edit	Copy	Delete	4	3	SID0	2017-07-15 11:53:23	2017-07-15 16:52:29	1	2		
<input type="checkbox"/>	Edit	Copy	Delete	5	1	SID3	2017-07-15 16:29:26	NULL	0	NULL		
<input type="checkbox"/>	Edit	Copy	Delete	6	3	SID11	2017-07-15 23:32:55	NULL	0	NULL		

Check all | With selected: Edit Copy Delete Export

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query results operations

Print Copy to clipboard Export Display chart Create view



Code :

```
-- phpMyAdmin SQL Dump
-- version 4.8.4
-- https://www.phpmyadmin.net/
--
-- Host: 127.0.0.1
-- Generation Time: Apr 11, 2019 at 04:13 PM
-- Server version: 10.1.37-MariaDB
-- PHP Version: 7.3.0

SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
SET AUTOCOMMIT = 0;
START TRANSACTION;
SET time_zone = "+00:00";

/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
/*!40101 SET NAMES utf8mb4 */;
```



```

--
-- Database: `library`
--
CREATE database library;
USE library;

-----

-- Table structure for table `admin`
--
CREATE TABLE `admin` (
  `id` int(11) NOT NULL,
  `FullName` varchar(100) DEFAULT NULL,
  `AdminEmail` varchar(120) DEFAULT NULL,
  `UserName` varchar(100) NOT NULL,
  `Password` varchar(100) NOT NULL,
  `updationDate` timestamp NOT NULL DEFAULT '0000-00-00 00:00:00' ON UPDATE
CURRENT_TIMESTAMP
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Dumping data for table `admin`
--
INSERT INTO `admin` (`id`, `FullName`, `AdminEmail`, `UserName`, `Password`,
`updationDate`) VALUES
(1, 'Rajneesh Pandey', 'rajneesh@gmail.com', 'admin', '12345', '2019-04-11
13:56:38');

-----

-- Table structure for table `tblauthors`
--
CREATE TABLE `tblauthors` (
  `id` int(11) NOT NULL,
  `AuthorName` varchar(159) DEFAULT NULL,
  `creationDate` timestamp NULL DEFAULT CURRENT_TIMESTAMP,
  `UpdationDate` timestamp NULL DEFAULT NULL ON UPDATE CURRENT_TIMESTAMP
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--

```

```
-- Dumping data for table `tblauthors`
--

INSERT INTO `tblauthors` (`id`, `AuthorName`, `creationDate`, `UpdationDate`)
VALUES
(1, 'Salman', '2017-07-08 12:49:09', '2017-07-08 15:16:59'),
(2, 'Hero', '2017-07-08 14:30:23', '2017-07-08 15:15:09'),
(3, 'Rahul', '2017-07-08 14:35:08', NULL),
(4, 'Verma', '2017-07-08 14:35:21', NULL),
(5, 'Kumar', '2017-07-08 14:35:36', NULL),
(9, 'Mohan', '2017-07-08 15:22:03', NULL);

-----

-- Table structure for table `tblbooks`
--

CREATE TABLE `tblbooks` (
  `id` int(11) NOT NULL,
  `BookName` varchar(255) DEFAULT NULL,
  `CatId` int(11) DEFAULT NULL,
  `AuthorId` int(11) DEFAULT NULL,
  `ISBNNumber` int(11) DEFAULT NULL,
  `BookPrice` int(11) DEFAULT NULL,
  `RegDate` timestamp NULL DEFAULT CURRENT_TIMESTAMP,
  `UpdationDate` timestamp NULL DEFAULT NULL ON UPDATE CURRENT_TIMESTAMP
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--

-- Dumping data for table `tblbooks`
--

INSERT INTO `tblbooks` (`id`, `BookName`, `CatId`, `AuthorId`, `ISBNNumber`,
`BookPrice`, `RegDate`, `UpdationDate`) VALUES
(1, 'Web Developer', 5, 1, 222, 20, '2017-07-08 20:04:55', '2017-07-15 05:54:41'),
(3, 'Machine Learning', 6, 4, 1111, 15, '2017-07-08 20:17:31', '2017-07-15
06:13:17');
```

```

--
-- Table structure for table `tblcategory`
--
CREATE TABLE `tblcategory` (
  `id` int(11) NOT NULL,
  `CategoryName` varchar(150) DEFAULT NULL,
  `Status` int(1) DEFAULT NULL,
  `CreationDate` timestamp NULL DEFAULT CURRENT_TIMESTAMP,
  `UpdationDate` timestamp NULL DEFAULT '0000-00-00 00:00:00' ON UPDATE
CURRENT_TIMESTAMP
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
--
-- Dumping data for table `tblcategory`
--
INSERT INTO `tblcategory` (`id`, `CategoryName`, `Status`, `CreationDate`,
`UpdationDate`) VALUES
(4, 'Travel', 1, '2017-07-04 18:35:25', '2017-07-06 16:00:42'),
(5, 'Tech', 1, '2017-07-04 18:35:39', '2017-07-08 17:13:03'),
(6, 'Space', 1, '2017-07-04 18:35:55', '0000-00-00 00:00:00'),
(7, 'Business', 0, '2017-07-04 18:36:16', '0000-00-00 00:00:00');

-----
--
-- Table structure for table `tblissuedbookdetails`
--
CREATE TABLE `tblissuedbookdetails` (
  `id` int(11) NOT NULL,
  `BookId` int(11) DEFAULT NULL,
  `StudentID` varchar(150) DEFAULT NULL,
  `IssuesDate` timestamp NULL DEFAULT CURRENT_TIMESTAMP,
  `ReturnDate` timestamp NULL DEFAULT NULL ON UPDATE CURRENT_TIMESTAMP,
  `RetrunStatus` int(1) DEFAULT NULL,
  `fine` int(11) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

```



```

--
-- Dumping data for table `tblissuedbookdetails`
--

INSERT INTO `tblissuedbookdetails` (`id`, `BookId`, `StudentID`, `IssuesDate`,
`ReturnDate`, `RetrunStatus`, `fine`) VALUES
(1, 1, 'SID1', '2017-07-15 06:09:47', '2017-07-15 11:15:20', 1, 0),
(2, 1, 'SID1', '2017-07-15 06:12:27', '2017-07-15 11:15:23', 1, 5),
(3, 3, 'SID1', '2017-07-15 06:13:40', NULL, 0, NULL),
(4, 3, 'SID0', '2017-07-15 06:23:23', '2017-07-15 11:22:29', 1, 2),
(5, 1, 'SID3', '2017-07-15 10:59:26', NULL, 0, NULL),
(6, 3, 'SID11', '2017-07-15 18:02:55', NULL, 0, NULL);

-----

--
-- Table structure for table `tblstudents`
--

CREATE TABLE `tblstudents` (
  `id` int(11) NOT NULL,
  `StudentId` varchar(100) DEFAULT NULL,
  `FullName` varchar(120) DEFAULT NULL,
  `EmailId` varchar(120) DEFAULT NULL,
  `MobileNumber` char(11) DEFAULT NULL,
  `Password` varchar(120) DEFAULT NULL,
  `Status` int(1) DEFAULT NULL,
  `RegDate` timestamp NULL DEFAULT CURRENT_TIMESTAMP,
  `UpdationDate` timestamp NULL DEFAULT NULL ON UPDATE CURRENT_TIMESTAMP
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Dumping data for table `tblstudents`
--

INSERT INTO `tblstudents` (`id`, `StudentId`, `FullName`, `EmailId`,
`MobileNumber`, `Password`, `Status`, `RegDate`, `UpdationDate`) VALUES
(1, 'SID002', 'Andrew Braza', 'andrew1@gmail.com', '9865472555', 'abc', 1, '2017-
07-11 15:37:05', '2019-04-11 14:11:39'),
(4, 'SID005', 'John Roberts', 'john@yahoo.com', '8569710025', 'def', 0, '2017-07-11
15:41:27', '2019-04-11 14:12:04'),

```

```

(9, 'SID010', 'Rey Tejada', 'rey@gmail.com', '8585856224', 'ghi', 1, '2017-07-15
13:40:30', '2019-04-11 14:12:27'),
(10, 'SID011', 'Clide Louie', 'CLIDE@gmail.com', '4672423754', 'jkl', 1, '2017-07-
15 18:00:59', '2019-04-11 14:12:50'),
(11, 'SID012', 'Clive Dela Cruz', 'clive21@yahoo.com', '0945208280', 'mno', 1,
'2019-04-11 13:46:30', NULL);
--
-- Indexes for dumped tables
--
--
-- Indexes for table `admin`
--
ALTER TABLE `admin`
  ADD PRIMARY KEY (`id`);
--
-- Indexes for table `tblauthors`
--
ALTER TABLE `tblauthors`
  ADD PRIMARY KEY (`id`);
--
-- Indexes for table `tblbooks`
--
ALTER TABLE `tblbooks`
  ADD PRIMARY KEY (`id`);
--
-- Indexes for table `tblcategory`
ALTER TABLE `tblcategory`
  ADD PRIMARY KEY (`id`);
--
-- Indexes for table `tblissuedbookdetails`
--
ALTER TABLE `tblissuedbookdetails`
  ADD PRIMARY KEY (`id`);
--
-- Indexes for table `tblstudents`
--
ALTER TABLE `tblstudents`
  ADD PRIMARY KEY (`id`),

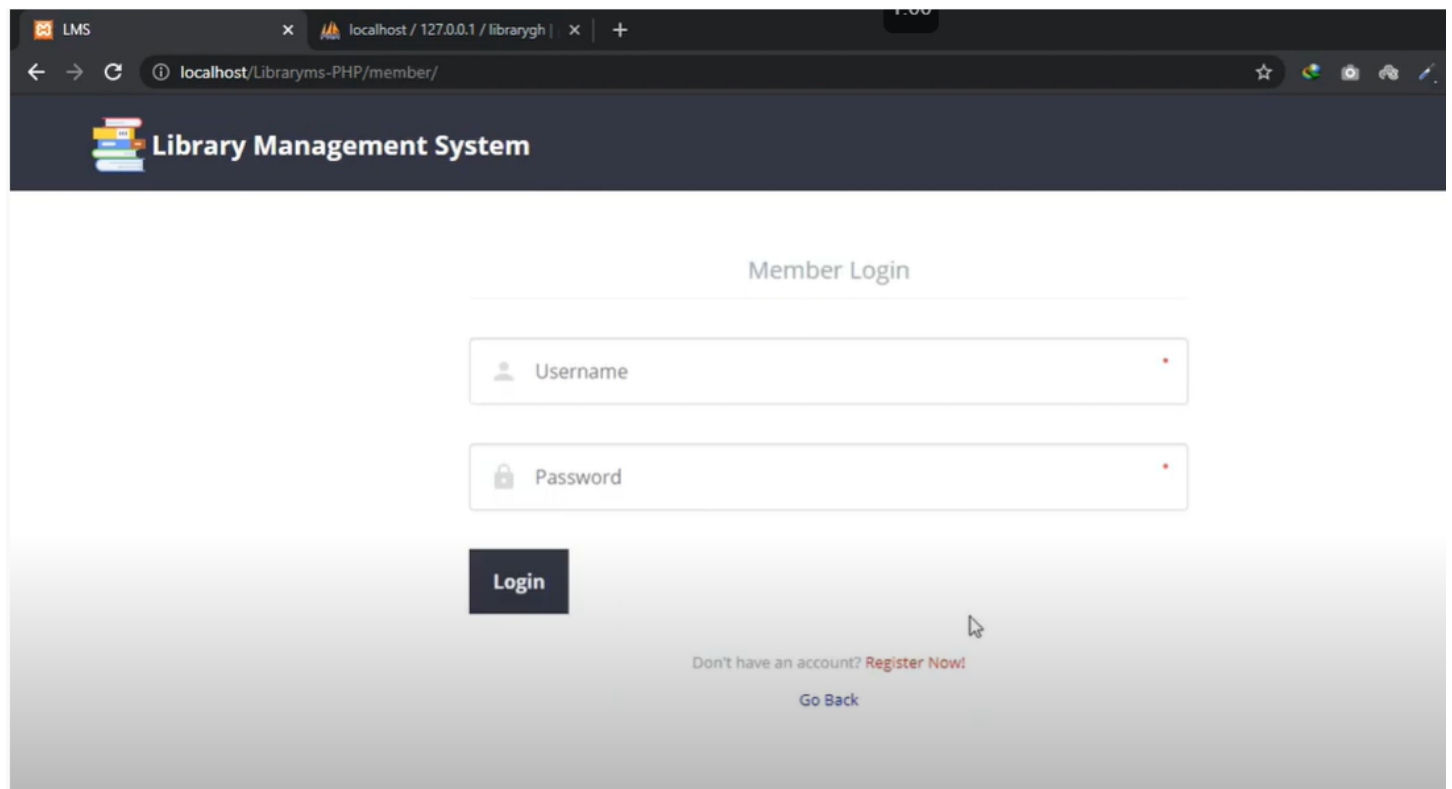
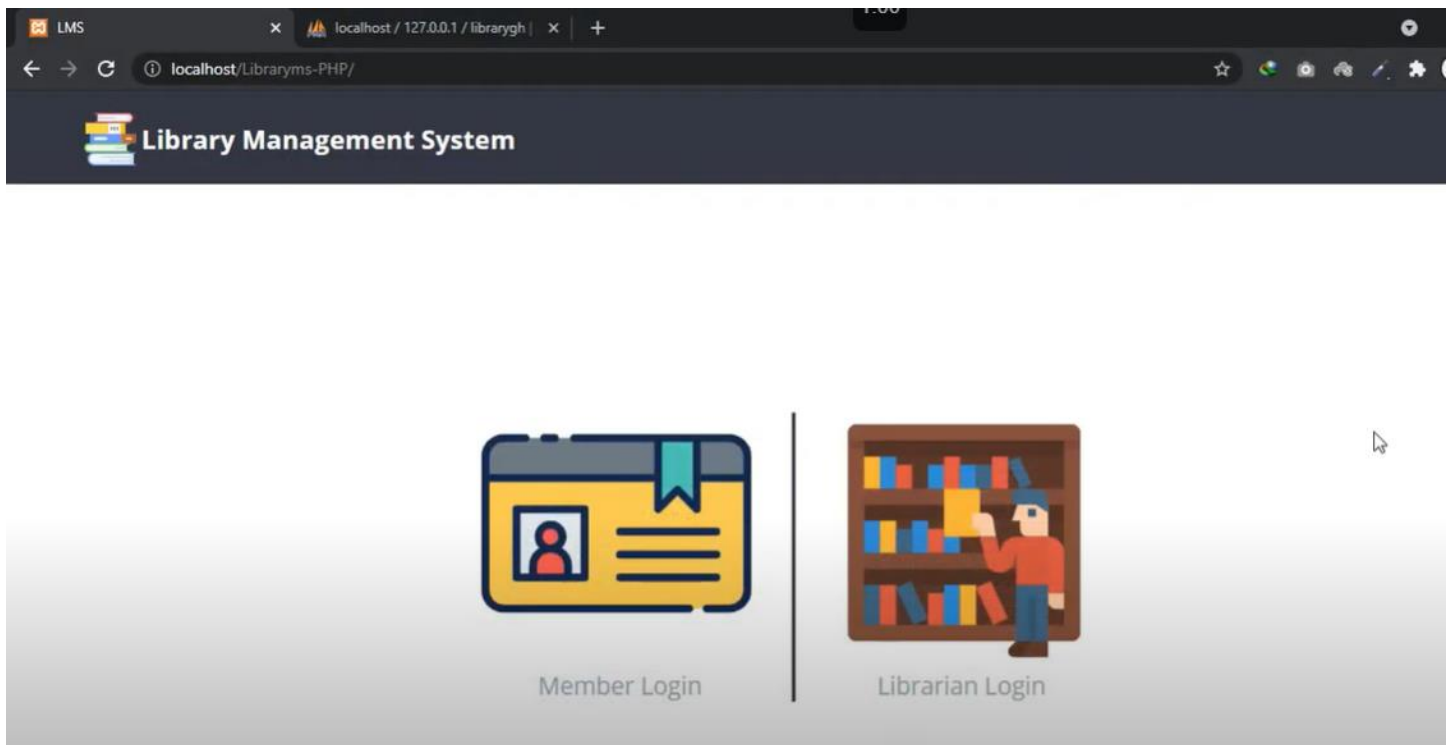
```

```

    ADD UNIQUE KEY `StudentId` (`StudentId`);
-- AUTO_INCREMENT for dumped tables
-- AUTO_INCREMENT for table `admin`
--
ALTER TABLE `admin`
    MODIFY `id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=3;
--
-- AUTO_INCREMENT for table `tblauthors`
--
ALTER TABLE `tblauthors`
    MODIFY `id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=10;
--
-- AUTO_INCREMENT for table `tblbooks`
--
ALTER TABLE `tblbooks`
    MODIFY `id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=4;
--
-- AUTO_INCREMENT for table `tblcategory`
--
ALTER TABLE `tblcategory`
    MODIFY `id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=8;
--
-- AUTO_INCREMENT for table `tblissuedbookdetails`
--
ALTER TABLE `tblissuedbookdetails`
    MODIFY `id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=7;
--
-- AUTO_INCREMENT for table `tblstudents`
--
ALTER TABLE `tblstudents`
    MODIFY `id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=12;
COMMIT;

/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;

```



Member Registration

Please fillup the form below:

Submit



Balance: Rs.1251
My books
Logout

List of Available Books

	ISBN	Book Title	Author	Category	Price	Copies
	9783161484100	Mike Tyson : Undisputed Truth	Larry Sloman, Mike Tyson	Sports	Rs.299	19
	9885691200700	The Great Gatsby	F. Scott Fitzgerald	Fiction	Rs.420	20
	6900152484440	V for Vendetta	Alan Moore	Comics	Rs.299	13
	9789996245442	When Breath Becomes Air	Paul Kalanithi	Medical	Rs.515	9
	9782616052277	X-Men: God Loves, Man Kills	Chris	Comics	Rs.399	32

Request Book

- Insert New Book Record

Update Copies of a Book

Delete Book Records

Display Available Books

Manage Pending Book Requests

Manage Pending Membership Registrations

Update Balance of Members

LMS

localhost / 127.0.0.1 / librarygh | x +

localhost/Libraryms-PHP/librarian/display_books.php

Library Management System

@harry


ISBN	Book Title	Author	Category	Price	Copies
9783161484100	Mike Tyson : Undisputed Truth	Larry Sloman, Mike Tyson	Sports	Rs.299	19
9885691200700	The Great Gatsby	F. Scott Fitzgerald	Fiction	Rs.420	20
6900152484440	V for Vendetta	Alan Moore	Comics	Rs.299	13
9789996245442	When Breath Becomes Air	Paul Kalanithi	Medical	Rs.515	9
9782616052277	X-Men: God Loves, Man Kills	Chris	Comics	Rs.399	32

LMS

localhost / 127.0.0.1 / librarygh


localhost/Libraryms-PHP/librarian/pending_registrations.php

Incognito

Library Management System

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Pending Membership Registration

	<u>Username</u>	<u>Name</u>	<u>Email</u>	<u>Balance</u>
	christine	Christine	christine400eer@gmail.com	Rs.999

Confirm Verification

Reject