

Begum Rokeya University, Rangpur.



Project Report ON

Library Management System

Course Title: Object Oriented Programming Lab

Course Code: CSE 2202

SUBMITTED BY :

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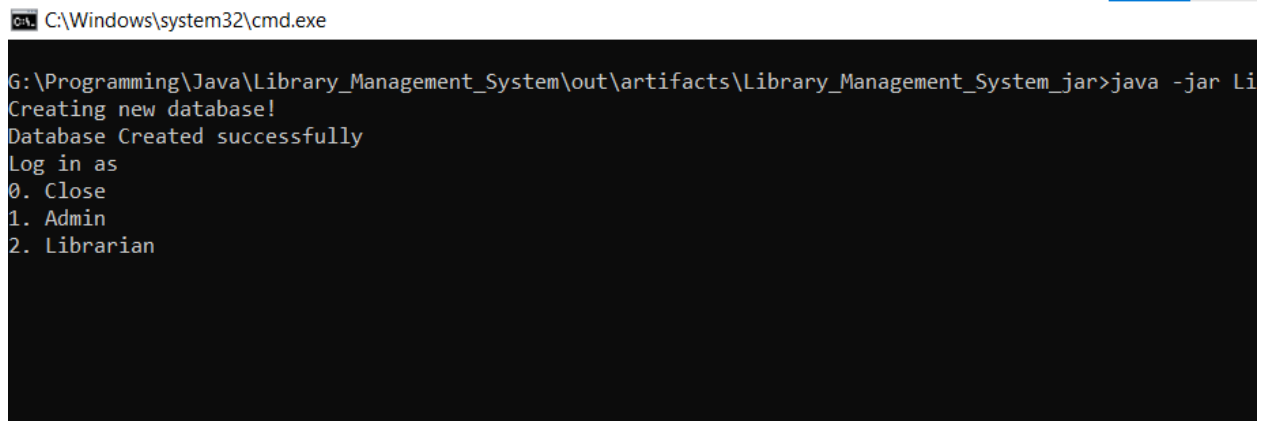
SUBMISSION DATE: 30-Oct-2021

This Project is done on IntelliJ IDE

Language used: java

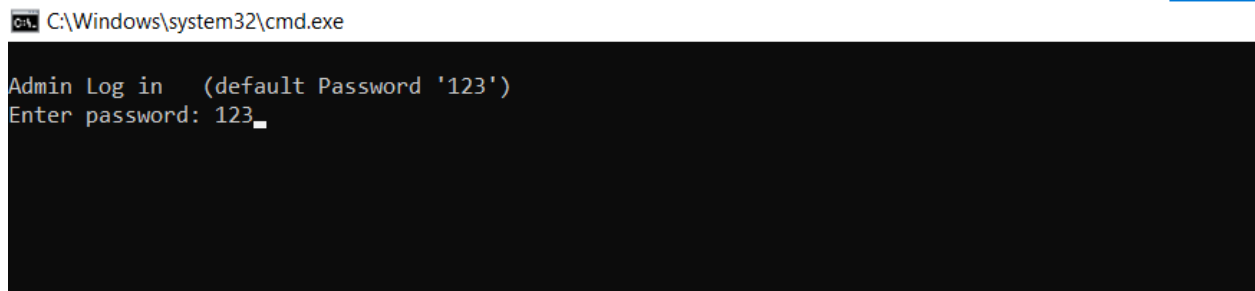
To run the jar file just double click on the Run.bat file

When you launch the program you get this interface



```
C:\Windows\system32\cmd.exe
G:\Programming\Java\Library_Management_System\out\artifacts\Library_Management_System_jar>java -jar Li
Creating new database!
Database Created successfully
Log in as
0. Close
1. Admin
2. Librarian
```

First log in as admin



```
C:\Windows\system32\cmd.exe
Admin Log in (default Password '123')
Enter password: 123_
```

You get this interface

C:\Windows\system32\cmd.exe

```
Admin Section
0. log out
1. Change Password
2. View librarian
3. Add librarian
4. Delete librarian
```

Let's add a librarian

C:\Windows\system32\cmd.exe

```
Add Librarian
Enter name of the Librarian: Shoaib Islam
Enter password for the Librarian: asd
Librarian added Successfully.
Name: Shoaib Islam
ID: 1

Press Enter to return to the admin section..._
```

After Adding another librarian let's view the list of librarians

C:\Windows\system32\cmd.exe

List of Librarians (sorted according to their name)

ID	Name
2	Mim Akter
1	Shoaib Islam

Press Enter to return to the admin section...

Delete one librarian

C:\Windows\system32\cmd.exe

Admin Section

0. log out

1. Change Password

2. View librarian

3. Add librarian

4. Delete librarian

4

Enter Librarian's ID: 2

Librarian: (ID)2 (name)Mim Akther

Deleted successfully.

Now view the List

C:\Windows\system32\cmd.exe

List of Librarians (sorted according to their name)

ID	Name
1	Shoaib Islam

Press Enter to return to the admin section...

After log out as admin, log in as librarian

C:\Windows\system32\cmd.exe

```
Librarian Log in  
Enter ID: 1  
Enter password: asd_
```

You get these options

C:\Windows\system32\cmd.exe

```
Librarian Section  
0. log out  
1. Add Book  
2. View Book list  
3. Issue Book  
4. View Issued Book  
5. Return Book  
6. Add Member  
7. View Member list
```

Let's add a book

C:\Windows\system32\cmd.exe

```
Add new book
Enter book name: How to program C++
Enter Author name: Paul Deitel and Harvey Deitel
Enter ISBN number: 978-0-13-266236-9
Enter quantity: 4
Book added successfully.
```

After adding one more book let's see the book list

C:\Windows\system32\cmd.exe

Book List (sorted according to their name)

ID	Name	Author	Quantity	ISBN
2	How to program C	Paul Deitel and Harvey Deitel	3	978-0-13-277736-9
1	How to program C++	Paul Deitel and Harvey Deitel	4	978-0-13-266236-9

Press Enter to return to the Librarian section...

Let's add a member

C:\Windows\system32\cmd.exe

```
Add New Member
Enter name of the new Member: Jobaidul
Member added Successfully.
Name: Jobaidul
ID: 1

Press Enter to return to the Librarian section...
```

After adding one more member let's see the member list

C:\Windows\system32\cmd.exe

List of Members (sorted according to their name)

ID	Name
2	Jahid
1	Jobaidul

Press Enter to return to the Librarian section...

Let's issue a book

C:\Windows\system32\cmd.exe

Issue a book

Enter book ID: 1

Enter member ID: 1

Book issued successfully

After issuing one more book let's see the issued book list

C:\Windows\system32\cmd.exe

List of issued books

Member ID	Book ID	Book Name	Date
1	1	How to program C++	Sun Oct 31 01:36:48 BDT 2021
2	2	How to program C	Sun Oct 31 01:38:18 BDT 2021

Press Enter to return to the Librarian section...

Let's return a book

C:\Windows\system32\cmd.exe

```
Return a book
Enter book ID: 1
Enter member ID: 1
Book Returned successfully
```

Now see the issued book list

C:\Windows\system32\cmd.exe

List of issued books

Member ID	Book ID	Book Name	Date
2	2	How to program C	Sun Oct 31 01:38:18 BDT 2021

Press Enter to return to the Librarian section...

And Book list

C:\Windows\system32\cmd.exe

Book List (sorted according to their name)

ID	Name	Author	Quantity	ISBN
2	How to program C	Paul Deitel and Harvey Deitel	2	978-0-13-277736-9
1	How to program C++	Paul Deitel and Harvey Deitel	4	978-0-13-266236-9

Press Enter to return to the Librarian section...

Thank you.