T2-21-22-CS 301P / Database Lab

Announcements

Mini Project on Library Management System

Settings

◄ Updates on Database Lab Grades Database Lab : 4th March 2 to 4 ►

Display replies in nested form

Mini Project on Library Management System
by PH2018020 Apurva Kulkarni - Friday, 18 February 2022, 1:32 PM

Hello Students,

Hope you all are doing well.

The session 06 focuses on compilation of final deliverable on library management system. The uploaded session 06 folder talks in detail about the mini project.

You are expected to demo this project during your mid term exam. Exact schedule about the same will be announced later. You get almost two weeks of time to complete this work.

Feel free to reach back if any doubts!

Thanks

Permalink

Re: Mini Project on Library Management System
by PH2018020 Apurva Kulkarni - Monday, 21 February 2022, 4:01 PM

Updates :
Feel free to change given files according to the implementation except simple driver and testcase.in.
You will be needed to upload .zip folder of your project.
NOTE : MAKE SURE YOUR PASSES THE TEST DRIVER (test case.in) SUCCESSFULLY.

Thanks!

Permalink Show parent

◄ Updates on Database Lab Grades Database Lab : 4th March 2 to 4 ►

Jump to...

News forum ►

Database Systems Lab

SESSION 6

Library Management System Application

In this lab session, you will be delivering a complete library management system. The application should support following functionality in menu driven approach :

1.Add book
2.Add student
3.Delete Book
4.Delete Student
5.Issue Book
6.Search Book by isbn
7.Search Book by title
8.Search student by rollno
9.Search student by name
10.Exit

Constraints :

1.All the above functionalities related to Book and Student should use indexing.
2.delete_book must check the issue data. If the book is already issued then you can not perform delete operation.
3. search_book by isbn and search book by title should print following details :
book details
issue status
and if book is issued then student details holding that book.
4.Issue_book must ensure the book and student both values are available.

General Instructions :

- You can use your previous lab files as a reference to create this application.
- Use given testcase.in file to test your application.
- Your code must support menu-driven functionality.
- You can use simple_tester.c referring to sample_output.pdf to test your functions.
- You must implement libsys_tester.c referring to testcase.in to test your code.

Submission Instructions :
You are expected to upload following files :
1. rollno_libsys.c : This should support only libsys.h implementations
2. rollno_menu.c : This file should support menu driven functionality calling functions from roll_libsys.c

You are expected to demo this project along with your mid term exam for database labs.

```
gcc -o output libsys.c simple_driver.c
./output

gcc -o output libsys.c libsys_tester.c
./output testcase.in

gcc -o output libsys.c menu.c
./output
```

Library Management System – Sample Output

Test-case-id 01:SUCCESS
Test-case-id 02:SUCCESS
Test-case-id 03:SUCCESS
Test-case-id 04:SUCCESS
Test-case-id 05:SUCCESS
Test-case-id 06:SUCCESS
Test-case-id 07:SUCCESS
Test-case-id 8:SUCCESS
Test-case-id 9:SUCCESS
Test-case-id 10:SUCCESS
Test-case-id 11:SUCCESS
Test-case-id 12:SUCCESS
Test-case-id 13:SUCCESS
Test-case-id 14:SUCCESS
Test-case-id 15:SUCCESS
Test-case-id 16:FAIL
Test-case-id 17:SUCCESS