

Library Management System

1. Design the schema for the following tables:
 - a. `book(book_id, title,category,author);`
 - b. `student(student_id,name,dept_name,year,semester);`
 - c. `issue(student_id,book_id,date_issue,date_returned);`
2. Load data into these tables:
 - a. 2-3 tuples in book table.
 - b. 2-3 tuples in student table.
 - c. 5-6 or more tuples in issue table ensuring that the queries below will get some results.
3. Execute the following SQL queries:
 - a. Find student id,name who has not issued any book till now.
 - b. Find student_id,name who has not returned the books for more than 10 days
4. Create a Java-JDBC project and include the following :
 - a. One jsp file to take input as book_id and title.
 - b. Make a jdbc connection to the database.
 - c. Write a java/j2ee program to query to get all the students who borrowed the book and no of days that the book was with the student (give XX if the book is not yet returned) using prepared statement.
 - d. Display the results in the same jsp file.

Submissions

1. .sql files for creating and loading data (question 1 & 2).
2. Query screenshots including complete sql query with output (question 3)
3. Java code with screenshots of working front-end pages(question 4)