SQL PROJECT :- Books Store Management System

I am going to build a project based on books store management system. I track the all information about books in a store and its prices, status of book and how many of books are available in store.

Step 1:- I have created data base name books_stores and branch table by using the database

MySQL Workbench

Local instance MYSQL83 - W...

SCHEMAS

Filter objects

- books_stores
  - Tables
  - Views
  - Stored Procedures
  - Functions
- ciet
- ciet1
- classicmodels
- exam
- movies
- pga44
- property_new
- sakila

Administration   Schemas

Information

Schema: pga44

```
15    # Create table "Employees"
16    CREATE TABLE Employees
17    (
18    Employee_id VARCHAR(30) PRIMARY KEY,
19    Employee_name VARCHAR(30),
20    Position_of_emoplyee VARCHAR(30),
21    Salary DECIMAL(10,2)
22    );
23    DESC Employees;
24
25
26
27
28
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Field	Type	Null	Key	Default	Extra
Employee_id	varchar(30)	NO	PRI	NULL	
Employee_name	varchar(30)	YES		NULL	
Position_of_emoplyee	varchar(30)	YES		NULL	
Salary	decimal(10,2)	YES		NULL	
branch_no	varchar(10)	YES	MUL	NULL	

Result 2

Read Only   Context Help   Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
3	22:25:07	DESC branch	4 row(s) returned	0.000 sec / 0.000 sec
4	22:25:53	DESC Employees	5 row(s) returned	0.000 sec / 0.000 sec

Object Info   Session

SQLAdditions

Jump to

Automatic context help is disabled. Use the toolbar t manually get help for the current caret position or to toggle automatic help.

Don't Limit

Step 3:- I created Customers Table

```
30  •   CREATE TABLE Customers
31      (
32      Customer_Id VARCHAR(20) PRIMARY KEY,
33      Customer_name VARCHAR(30) not null,
34      Customer_address VARCHAR(30) not null,
35      Register_date DATE
36      );
37  •   DESC Customers;
38
39
40
41
42
43      # Create table "Books"
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: $\overline{IA}$

Field	Type	Null	Key	Default	Extra
Customer_Id	varchar(20)	NO	PRI	NULL	
Customer_name	varchar(30)	NO		NULL	
Customer_address	varchar(30)	NO		NULL	
Register_date	date	YES		NULL	

Result 3 ×

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 4	22:25:53	DESC Employees	5 row(s) returned	0.000 sec / 0.000 sec
✓ 5	22:26:20	DESC Customers	4 row(s) returned	0.000 sec / 0.000 sec

Step 4:- I created Books table

```
44  •    CREATE TABLE Books
45    ⊖  (
46       ISBN VARCHAR(10) PRIMARY KEY,
47       Book_title VARCHAR(50),
48       Category VARCHAR(30),
49       Rental_Price DECIMAL(10,2),
50       Status ENUM('Yes','No'),
51       Author VARCHAR(30),
52       Publisher VARCHAR(30)
53       );
54  •    DESC Books;
55
56
57  •    alter TABLE books MODIFY COLUMN ISBN VARCHAR(30);
```

Field	Type	Null	Key	Default	Extra
ISBN	varchar(30)	NO	PRI	NULL	
Book_title	varchar(60)	YES		NULL	
Category	varchar(30)	YES		NULL	
Rental_Price	decimal(10,2)	YES		NULL	
Status	enum('Yes','No')	YES		NULL	
Author	varchar(30)	YES		NULL	
Publisher	varchar(30)	YES		NULL	

#	Time	Action	Message	Duration / Fetch
5	22:26:20	DESC Customers	4 row(s) returned	0.000 sec / 0.000 sec
6	22:26:37	DESC Books	7 row(s) returned	0.015 sec / 0.000 sec

Step 5:- I created issuestatus table


```
60    CREATE TABLE IssueStatus
61    (
62        Issue_Id VARCHAR(10) PRIMARY KEY,
63        Issued_cust_id VARCHAR(30),
64        Issued_book_name VARCHAR(80),
65        Issue_date DATE,
66        Isbn_book VARCHAR(30),
67        FOREIGN KEY (Issued_cust_id) REFERENCES Customers(Customer_id) on DELETE CASCADE,
68        FOREIGN KEY (Isbn_book) REFERENCES books(ISBN) on DELETE CASCADE
69    );
70    DESC issuestatus;
71    ALTER TABLE issuestatus MODIFY COLUMN Issued_book_name VARCHAR(80) not null;
72    ALTER TABLE issuestatus MODIFY COLUMN Isbn_book VARCHAR(25) not null;
73
```

Field	Type	Null	Key	Default	Extra
Issue_Id	varchar(10)	NO	PRI	NULL	
Issued_cust_id	varchar(30)	YES	MUL	NULL	
Issued_book_name	varchar(80)	NO		NULL	
Issue_date	date	YES		NULL	
Isbn_book	varchar(30)	YES	MUL	NULL	

#	Time	Action	Message	Duration / Fetch
6	22:26:37	DESC Books	7 row(s) returned	0.015 sec / 0.000 sec
7	22:27:25	DESC issuestatus	5 row(s) returned	0.000 sec / 0.000 sec

Step 6:- I created ReturnStatus table

```
75        # Create table "ReturnStatus"
76 ●      CREATE TABLE ReturnStatus
77   ⊖    (
78        Return_id VARCHAR(10) PRIMARY KEY,
79        Return_cust_id VARCHAR(30) not null,
80        Return_book_name VARCHAR(80),
81        Return_date DATE,
82        isbn_book VARCHAR(25) not null,
83        FOREIGN KEY (isbn_book) REFERENCES books(ISBN) on DELETE CASCADE
84        );
85 ●      DESC returnstatus;
86
87
88
```

Result Grid

Field	Type	Null	Key	Default	Extra
Return_id	varchar(10)	NO	PRI	NULL	
Return_cust_id	varchar(30)	NO		NULL	
Return_book_name	varchar(80)	YES		NULL	
Return_date	date	YES		NULL	
isbn_book	varchar(25)	NO	MUL	NULL	

Action Output

#	Time	Action	Message	Duration / Fetch
7	22:27:25	DESC issuestatus	5 row(s) returned	0.000 sec / 0.000 sec
8	22:27:53	DESC returnstatus	5 row(s) returned	0.016 sec / 0.000 sec