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1 • create database librarymanagementsystem;
2 • use librarymanagementsystem;
3 • CREATE TABLE Branch (Branch_no INT PRIMARY KEY,Manager_Id INT,Branch_address VARCHAR(255),Contact_no VARCHAR(20));
4 • CREATE TABLE Employee (Emp_Id INT PRIMARY KEY,Emp_name VARCHAR(100),Position VARCHAR(50),Salary DECIMAL(10, 2),
5 •     Branch_no INT,FOREIGN KEY (Branch_no) REFERENCES Branch(Branch_no));
6 • CREATE TABLE Books (ISBN VARCHAR(20) PRIMARY KEY,Book_title VARCHAR(255),Category VARCHAR(100),Rental_Price DECIMAL(10, 2),
7 •     Status ENUM('yes', 'no'),Author VARCHAR(100),Publisher VARCHAR(100));
8 • CREATE TABLE Customer (Customer_Id INT PRIMARY KEY,Customer_name VARCHAR(100),Customer_address VARCHAR(255),Reg_date DATE);
9 • CREATE TABLE IssueStatus (Issue_Id INT PRIMARY KEY,Issued_cust INT,Issued_book_name VARCHAR(255),Issue_date DATE,Isbn_book VARCHAR(20),
10 •     FOREIGN KEY (Issued_cust) REFERENCES Customer(Customer_Id),FOREIGN KEY (Isbn_book) REFERENCES Books(ISBN));
11 • CREATE TABLE ReturnStatus (Return_Id INT PRIMARY KEY,Return_cust INT,Return_book_name VARCHAR(255),Return_date DATE,Isbn_book2 VARCHAR(20),
12 •     FOREIGN KEY (Return_cust) REFERENCES Customer(Customer_Id),FOREIGN KEY (Isbn_book2) REFERENCES Books(ISBN));
13 • SELECT Book_title, Category, Rental_Price FROM Books WHERE Status = 'yes';
14 • SELECT Emp_name, Salary FROM Employee ORDER BY Salary DESC;
15 • SELECT b.Book_title, c.Customer_name FROM Books b JOIN IssueStatus i ON b.ISBN = i.Isbn_book JOIN Customer c ON i.Issued_cust = c.Customer_Id;
16 • SELECT Category, COUNT(*) AS Total_Books FROM Books GROUP BY Category;
17 • SELECT Emp_name, Position FROM Employee WHERE Salary > 50000;
18 • SELECT Customer_name FROM Customer WHERE Reg_date < '2022-01-01' AND Customer_Id NOT IN (SELECT Issued_cust FROM IssueStatus);
19 • SELECT Branch_no, COUNT(*) AS Total_Employees FROM Employee GROUP BY Branch_no;
20 • SELECT DISTINCT c.Customer_name FROM Customer c JOIN IssueStatus i ON c.Customer_Id = i.Issued_cust WHERE YEAR(i.Issue_date) = 2023 AND MONTH(i.Issue_date) = 6;
21 • SELECT Book_title FROM Books WHERE Category LIKE '%history%';
22 • SELECT Branch_no, COUNT(*) AS Employee_Count FROM Employee GROUP BY Branch_no HAVING COUNT(*) > 5;
23 • SELECT e.Emp_name, b.Branch_address FROM Employee e JOIN Branch b ON e.Branch_no = b.Branch_no WHERE e.Position = 'Manager';
24 • SELECT DISTINCT c.Customer_name FROM Customer c JOIN IssueStatus i ON c.Customer_Id = i.Issued_cust JOIN Books b ON i.Isbn_book = b.ISBN
25 • WHERE b.Rental Price > 25;

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Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	22:43:55	create database librarymanagementsystem	1 row(s) affected	0.172 sec
✗ 2	22:43:55	use libraryma	Error Code: 1049. Unknown database 'libraryma'	0.016 sec
✗ 3	22:44:12	create database librarymanagementsystem	Error Code: 1007. Can't create database 'librarymanagementsystem'; database exists	0.015 sec
✓ 4	22:44:12	use librarymanagementsystem	0 row(s) affected	0.000 sec
✓ 5	22:48:56	CREATE TABLE Branch (Branch_no INT PRIMARY KEY,Manager_Id INT,Branch_address VARCHAR(255),Contac...	0 row(s) affected	0.328 sec
✓ 6	22:48:56	CREATE TABLE Employee (Emp_Id INT PRIMARY KEY,Emp_name VARCHAR(100),Position VARCHAR(50),Salary...	0 row(s) affected	0.063 sec
✓ 7	22:48:56	CREATE TABLE Books (ISBN VARCHAR(20) PRIMARY KEY,Book_title VARCHAR(255),Category VARCHAR(100),...	0 row(s) affected	0.031 sec
✓ 8	22:48:56	CREATE TABLE Customer (Customer_Id INT PRIMARY KEY,Customer_name VARCHAR(100),Customer_address V...	0 row(s) affected	0.047 sec
✓ 9	22:48:56	CREATE TABLE IssueStatus (Issue_Id INT PRIMARY KEY,Issued_cust INT,Issued_book_name VARCHAR(255),Is...	0 row(s) affected	0.063 sec
✓ 10	22:48:56	CREATE TABLE ReturnStatus (Return_Id INT PRIMARY KEY,Return_cust INT,Return_book_name VARCHAR(25...	0 row(s) affected	0.078 sec
✓ 11	22:49:30	SELECT Book_title, Category, Rental_Price FROM Books WHERE Status = 'yes' LIMIT 0, 1000	0 row(s) returned	0.062 sec / 0.000 sec
✓ 12	22:49:58	SELECT Emp_name, Salary FROM Employee ORDER BY Salary DESC LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
✓ 13	22:50:43	SELECT b.Book_title, c.Customer_name FROM Books b JOIN IssueStatus i ON b.ISBN = i.Isbn_book JOIN Custom...	0 row(s) returned	0.031 sec / 0.000 sec
✓ 14	22:51:17	SELECT Category, COUNT(*) AS Total_Books FROM Books GROUP BY Category LIMIT 0, 1000	0 row(s) returned	0.016 sec / 0.000 sec
✓ 15	22:51:59	SELECT Emp_name, Position FROM Employee WHERE Salary > 50000 LIMIT 0, 1000	0 row(s) returned	0.016 sec / 0.000 sec
✓ 16	22:52:37	SELECT Customer_name FROM Customer WHERE Reg_date < '2022-01-01' AND Customer_Id NOT IN (SELECT I...	0 row(s) returned	0.016 sec / 0.000 sec
✓ 17	22:54:03	SELECT Branch_no, COUNT(*) AS Total_Employees FROM Employee GROUP BY Branch_no LIMIT 0, 1000	0 row(s) returned	0.016 sec / 0.000 sec
✓ 18	22:54:41	SELECT DISTINCT c.Customer_name FROM Customer c JOIN IssueStatus i ON c.Customer_Id = i.Issued_cust WH...	0 row(s) returned	0.015 sec / 0.000 sec
✓ 19	22:55:13	SELECT Book_title FROM Books WHERE Category LIKE "%history%" LIMIT 0, 1000	0 row(s) returned	0.016 sec / 0.000 sec
✓ 20	22:55:55	SELECT Branch_no, COUNT(*) AS Employee_Count FROM Employee GROUP BY Branch_no HAVING COUNT(*) ...	0 row(s) returned	0.000 sec / 0.000 sec
✓ 21	22:56:24	SELECT e.Emp_name, b.Branch_address FROM Employee e JOIN Branch b ON e.Branch_no = b.Branch_no WHE...	0 row(s) returned	0.063 sec / 0.000 sec
✓ 22	22:57:25	SELECT DISTINCT c.Customer_name FROM Customer c JOIN IssueStatus i ON c.Customer_Id = i.Issued_cust JOI...	0 row(s) returned	0.110 sec / 0.000 sec