



Query 1 x



Limit to 1000 rows

```
1  -- Create database
2  CREATE DATABASE Library;
3
4  -- Use database
5  • USE Library;
6
7  -- 1. Branch table
8  ○ CREATE TABLE Branch (
9      Branch_no INT PRIMARY KEY,
10     Manager_Id INT,
11     Branch_address VARCHAR(255),
12     Contact_no VARCHAR(15)
13 );
14
15 -- 2. Employee table
16 • ○ CREATE TABLE Employee (
```

SQLAdditions

My Snippets



Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	14:21:17	CREATE DATABASE Library	1 row(s) affected	0.015 sec
✓ 2	14:21:21	USE Library	0 row(s) affected	0.000 sec



Query 1



```
4  -- Use database
5  •  USE Library;
6
7  -- 1. Branch table
8  ○ CREATE TABLE Branch (
9      Branch_no INT PRIMARY KEY,
10     Manager_Id INT,
11     Branch_address VARCHAR(255),
12     Contact_no VARCHAR(15)
13 );
14
15 -- 2. Employee table
16 • ○ CREATE TABLE Employee (
17     Emp_Id INT PRIMARY KEY,
18     Emp_name VARCHAR(100),
19     Position VARCHAR(100),
```

SQLAdditions

My Snippets



< Context Help Snippets >

Output

Action Output

	#	Time	Action	Message	Duration / Fetch
✓	1	14:21:17	CREATE DATABASE Library	1 row(s) affected	0.015 sec
✓	2	14:21:21	USE Library	0 row(s) affected	0.000 sec
✓	3	14:22:11	CREATE TABLE Branch (Branch_no INT PRIMARY KEY, Manager_Id INT, Bran...	0 row(s) affected	0.047 sec

Query 1

Limit to 1000 rows

```
13 );
14
15 -- 2. Employee table
16 • CREATE TABLE Employee (
17     Emp_Id INT PRIMARY KEY,
18     Emp_name VARCHAR(100),
19     Position VARCHAR(100),
20     Salary DECIMAL(10, 2),
21     Branch_no INT,
22     FOREIGN KEY (Branch_no) REFERENCES Branch(Branch_no)
23 );
24
25 -- 3. Books table
26 • CREATE TABLE Books (
27     ISBN VARCHAR(20) PRIMARY KEY,
28     Book_title VARCHAR(255),
```

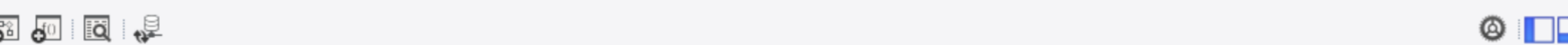
SQLAdditions

My Snippets

Output

Action Output

	#	Time	Action	Message	Duration / Fetch
✓	1	14:21:17	CREATE DATABASE Library	1 row(s) affected	0.015 sec
✓	2	14:21:21	USE Library	0 row(s) affected	0.000 sec
✓	3	14:22:11	CREATE TABLE Branch (Branch_no INT PRIMARY KEY, Manager_Id INT, Bran...	0 row(s) affected	0.047 sec
✓	4	14:23:01	CREATE TABLE Employee (Emp_Id INT PRIMARY KEY, Emp_name VARCHAR(1...	0 row(s) affected	0.078 sec



Query 1 ×



```
22     FOREIGN KEY (Branch_no) REFERENCES Branch(Branch_no)
23 );
```

```
25      -- 3. Books table
```

```
26 CREATE TABLE Books (
27     ISBN VARCHAR(20) PRIMARY KEY,
28     Book_title VARCHAR(255),
29     Category VARCHAR(100),
30     Rental_Price DECIMAL(10, 2),
31     Status VARCHAR(5),
32     Author VARCHAR(100),
33     Publisher VARCHAR(100)
34 );
```

```
36      -- 4. Customer table
```

```
37 • CREATE TABLE Customer (
```

SQLAdditions

My Snippets

Context Help

Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetc
✓	1 14:23:44	CREATE TABLE Books (ISBN VARCHAR(20) PRIMARY KEY, Book_title VARCHA...	0 row(s) affected	0.094 sec
✓	2 14:23:50	CREATE TABLE Customer (Customer_Id INT PRIMARY KEY, Customer_name VA...	0 row(s) affected	0.063 sec
✓	3 14:23:59	CREATE TABLE IssueStatus (Issue_Id INT PRIMARY KEY, Issued_cust INT, Iss...	0 row(s) affected	0.078 sec
✓	4 14:24:11	CREATE TABLE ReturnStatus (Return_Id INT PRIMARY KEY, Return_cust INT, ...	0 row(s) affected	0.078 sec

Query 1

Limit to 1000 rows

```

37 CREATE TABLE Customer (
38     Customer_Id INT PRIMARY KEY,
39     Customer_name VARCHAR(100),
40     Customer_address VARCHAR(255),
41     Reg_date DATE
42 );
43
44 -- 5. IssueStatus table
45 CREATE TABLE IssueStatus (
46     Issue_Id INT PRIMARY KEY,
47     Issued_cust INT,
48     Issued_book_name VARCHAR(255),
49     Issue_date DATE,
50     Isbn_book VARCHAR(20),
51     FOREIGN KEY (Issued_cust) REFERENCES Customer(Customer_Id),
52     FOREIGN KEY (Isbn_book) REFERENCES Books(ISBN)

```

My Snippets

Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	14:23:44	CREATE TABLE Books (ISBN VARCHAR(20) PRIMARY KEY, Book_title VARCHA...	0 row(s) affected	0.094 sec
✓ 2	14:23:50	CREATE TABLE Customer (Customer_Id INT PRIMARY KEY, Customer_name VA...	0 row(s) affected	0.063 sec
✓ 3	14:23:59	CREATE TABLE IssueStatus (Issue_Id INT PRIMARY KEY, Issued_cust INT, Iss...	0 row(s) affected	0.078 sec
✓ 4	14:24:11	CREATE TABLE ReturnStatus (Return_Id INT PRIMARY KEY, Return_cust INT, ...	0 row(s) affected	0.078 sec



Query 1 x

SQLAdditions

My Snippets



```

55  -- 6. ReturnStatus table
56  CREATE TABLE ReturnStatus (
57      Return_Id INT PRIMARY KEY,
58      Return_cust INT,
59      Return_book_name VARCHAR(255),
60      Return_date DATE,
61      Isbn_book2 VARCHAR(20),
62      FOREIGN KEY (Isbn_book2) REFERENCES Books(ISBN)
63  );
64
65  -- Queries:
66
67  -- 1. Retrieve available books
68  SELECT Book_title, Category, Rental_Price
69  FROM Books
70  WHERE Status = 'yes';

```



Context Help

Snippets

Output



Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	14:23:44	CREATE TABLE Books (ISBN VARCHAR(20) PRIMARY KEY, Book_title VARCHA...	0 row(s) affected	0.094 sec
✓ 2	14:23:50	CREATE TABLE Customer (Customer_Id INT PRIMARY KEY, Customer_name VA...	0 row(s) affected	0.063 sec
✓ 3	14:23:59	CREATE TABLE IssueStatus (Issue_Id INT PRIMARY KEY, Issued_cust INT, Iss...	0 row(s) affected	0.078 sec
✓ 4	14:24:11	CREATE TABLE ReturnStatus (Return_Id INT PRIMARY KEY, Return_cust INT, ...	0 row(s) affected	0.078 sec



Limit to 1000 rows



My Snippets



```
65  -- Queries:
66
67  -- 1. Retrieve available books
68  •  SELECT Book_title, Category, Rental_Price
69      FROM Books
70      WHERE Status = 'yes';
71
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: [fA](#)

Result
GridForm
Editor

Books 16 x

! Read Only

Context Help

Snippets

Output

Action Output

	#	Time	Action	Message	Duration / Fetch
✓	2	14:23:50	CREATE TABLE Customer (Customer_Id INT PRIMARY KEY, Customer_name ...	0 row(s) affected	0.063 sec
✓	3	14:23:59	CREATE TABLE IssueStatus (Issue_Id INT PRIMARY KEY, Issued_cust INT, ...	0 row(s) affected	0.078 sec
✓	4	14:24:11	CREATE TABLE ReturnStatus (Return_Id INT PRIMARY KEY, Return_cust IN...	0 row(s) affected	0.078 sec
✓	5	14:26:21	SELECT Book_title, Category, Rental_Price FROM Books WHERE Status = 'yes' ...	0 row(s) returned	0.000 sec / 0.000 sec



Limit to 1000 rows

```
71
72 -- 2. List employee names and salaries
73 • SELECT Emp_name, Salary
74 FROM Employee
75 ORDER BY Salary DESC;
76
77 -- 3. Retrieve book titles and corresponding customers
```

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

Emp_name	Salary
----------	--------

Result
GridForm
Editor

Employee 17

! Read Only

Context Help

Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 3	14:23:59	CREATE TABLE IssueStatus (Issue_Id INT PRIMARY KEY, Issued_cust INT, ...	0 row(s) affected	0.078 sec
✓ 4	14:24:11	CREATE TABLE ReturnStatus (Return_Id INT PRIMARY KEY, Return_cust IN...	0 row(s) affected	0.078 sec
✓ 5	14:26:21	SELECT Book_title, Category, Rental_Price FROM Books WHERE Status = 'yes' ...	0 row(s) returned	0.000 sec / 0.000 sec
✓ 6	14:26:57	SELECT Emp_name, Salary FROM Employee ORDER BY Salary DESC LIMIT 0, ...	0 row(s) returned	0.000 sec / 0.000 sec



```
77 -- 3. Retrieve book titles and corresponding customers
78 • SELECT Issued_book_name, Customer_name
79 FROM IssueStatus
80 JOIN Customer
81 ON IssueStatus.Issued_cust = Customer.Customer_Id;
82
83 -- 4. Display total count of books in each category
```

Result Grid Filter Rows: Export: Wrap Cell Content:

Issued_book_name	Customer_name
------------------	---------------



Result
Grid



Form
Editor

#	Time	Action	Message	Duration / Fetch
✓ 1	14:27:35	SELECT Issued_book_name, Customer_name FROM IssueStatus JOIN Customer ...	0 row(s) returned	0.000 sec / 0.000 sec



Limit to 1000 rows

```
83 -- 4. Display total count of books in each category
84 • SELECT Category, COUNT(*)
85 FROM Books
86 GROUP BY Category;
87
88 -- 5. Retrieve employee names and positions with salary above Rs.50,000
89 • SELECT Emp name, Position
```

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

Category	COUNT(*)
----------	----------



Result Grid



Form Editor

#	Time	Action	Message	Duration / Fetch
✓ 1	14:27:35	SELECT Issued_book_name, Customer_name FROM IssueStatus JOIN Customer ...	0 row(s) returned	0.000 sec / 0.000 sec
✓ 2	14:28:11	SELECT Category, COUNT(*) FROM Books GROUP BY Category LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec

Query 1 x



```
87
88 -- 5. Execute the statement under the keyboard cursor with salary above Rs.50,000
89 • SELECT Emp_name, Position
90 FROM Employee
91 WHERE Salary > 50000;
92
93 -- 6. List customer names who registered before 2022-01-01 and have not issued any books
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: [IA](#)

Emp_name	Position
----------	----------



Result Grid



Form Editor

Employee 20 x

Read Only

Context Help

Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	14:27:35	SELECT Issued_book_name, Customer_name FROM IssueStatus JOIN Customer ...	0 row(s) returned	0.000 sec / 0.000 sec
✓ 2	14:28:11	SELECT Category, COUNT(*) FROM Books GROUP BY Category LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
✓ 3	14:28:47	SELECT Emp_name, Position FROM Employee WHERE Salary > 50000 LIMIT 0, 1...	0 row(s) returned	0.000 sec / 0.000 sec

Query 1 x

SQLAdditions

My Snippets

Limit to 1000 rows

```
-- 6. List customer names who registered before 2022-01-01 and have not issued any books
```

```
94 • SELECT
```

Execute the statement under the keyboard cursor

```
95 FROM Customer
```

```
96 WHERE Reg_date < '2022-01-01'
```

```
97 AND Customer_Id NOT IN (SELECT Issued_cust FROM IssueStatus);
```

```
98
```

```
99 -- 7. Display branch numbers and total count of employees
```

Result Grid



Filter Rows:

Export:



Wrap Cell Content:



Customer_name

Result
GridForm
Editor

Customer 21 x

Read Only

Context Help

Snippets

Output



Action Output



	#	Time	Action	Message	Duration / Fetch
✓	1	14:27:35	SELECT Issued_book_name, Customer_name FROM IssueStatus JOIN Customer ...	0 row(s) returned	0.000 sec / 0.000 se
✓	2	14:28:11	SELECT Category, COUNT(*) FROM Books GROUP BY Category LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 se
✓	3	14:28:47	SELECT Emp_name, Position FROM Employee WHERE Salary > 50000 LIMIT 0, 1...	0 row(s) returned	0.000 sec / 0.000 se
✓	4	14:29:17	SELECT Customer_name FROM Customer WHERE Reg_date < '2022-01-01' AND...	0 row(s) returned	0.000 sec / 0.000 se



Limit to 1000 rows

```
99      -- 7. Display branch numbers and total count of employees
100 •   SELECT Branch_no, COUNT(*)
101      FROM Employee
102      GROUP BY Branch_no;
103
104      -- 8. Display customer names who issued books in June 2023
105 •   SELECT Customer name
```

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

Branch_no	COUNT(*)
-----------	----------



Result Grid



Form Editor

#	Time	Action	Message	Duration / Fetch
✓ 2	14:28:11	SELECT Category, COUNT(*) FROM Books GROUP BY Category LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
✓ 3	14:28:47	SELECT Emp_name, Position FROM Employee WHERE Salary > 50000 LIMIT 0, ...	0 row(s) returned	0.000 sec / 0.000 sec
✓ 4	14:29:17	SELECT Customer_name FROM Customer WHERE Reg_date < '2022-01-01' AN...	0 row(s) returned	0.000 sec / 0.000 sec
✓ 5	14:29:49	SELECT Branch_no, COUNT(*) FROM Employee GROUP BY Branch_no LIMIT 0...	0 row(s) returned	0.000 sec / 0.000 sec



The screenshot shows the 'Data' tab of the 'Table' tool. The 'Limit to 1000 rows' dropdown menu is open, displaying a list of options: 'All rows', '1000 rows', '500 rows', '250 rows', '100 rows', '50 rows', '25 rows', '10 rows', '5 rows', and '1 row'. The 'All rows' option is currently selected.

◀ ▶

Customer_name

My Snippets

Read Only Context Help Snippets

 Action Output

#	Time	Action	Message	Duration / Fetch
1	14:30:48	SELECT Customer_name FROM IssueStatus JOIN Customer ON IssueStatus.Issue...	0 row(s) returned	0.000 sec / 0.000 sec

Query 1 x

          Limit to 1000 rows     

```
108 ON IssueStatus.Issued_cust = Customer.Customer_Id
109 WHERE Issue_date BETWEEN '2023-06-01' AND '2023-06-30';
110
111 -- 9. Retrieve book titles containing 'history'
112 • SELECT Book_title
113 FROM Books
114 WHERE Book_title LIKE '%history%';
115
116 -- 10. Retrieve branch numbers with count of employees for branches having more than 5 employees
117 • SELECT Branch_no, COUNT(*)
118 FROM Employee
```

Result Grid  Filter Rows: Export:  Wrap Cell Content: 

Book_title

Result
Grid

Books 24 x

! Read Only

Context Help

Snippets

Output

 Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	14:31:25	SELECT Book_title FROM Books WHERE Book_title LIKE "%history%" LIMIT 0, 1000	0 row(s) returned	0.016 sec / 0.000 sec



Limit to 1000 rows

```
114 WHERE Book_title LIKE '%history%';
115
116 -- 10. Retrieve branch numbers with count of employees for branches having more than 5 employees
117 • SELECT Branch_no, COUNT(*)
118 FROM Employee
119 GROUP BY Branch_no
120 HAVING COUNT(*) > 5;
121
122 -- 11. Retrieve employee names who manage branches and their respective branch addresses
123 • SELECT Emp_name, Branch_address
124 FROM Employee
```

Result Grid



Filter Rows:

Export:



Wrap Cell Content:



Branch_no	COUNT(*)
-----------	----------



Result Grid

#	Time	Action	Message	Duration / Fetch
✓ 1	14:31:25	SELECT Book_title FROM Books WHERE Book_title LIKE '%history%' LIMIT 0, 1000	0 row(s) returned	0.016 sec / 0.000 sec
✓ 2	14:32:03	SELECT Branch_no, COUNT(*) FROM Employee GROUP BY Branch_no HAVING...	0 row(s) returned	0.000 sec / 0.000 sec

Query 1



Limit to 1000 rows

```
119 GROUP BY Branch_no
120 HAVING COUNT(*) > 5;
121
122 -- 11. Retrieve employee names who manage branches and their respective branch addresses
123 • SELECT Emp_name, Branch_address
124 FROM Employee
125 JOIN Branch
126 ON Employee.Branch_no = Branch.Branch_no
127 WHERE Position = 'Manager';
128
129 -- 12. Display customer names who issued books with rental price higher than Rs. 25
```

Result Grid



Filter Rows:

Export:



Wrap Cell Content:



Emp_name

Branch_address

Result
Grid

Result 26

Read Only

Context Help

Snippets

Output



Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	14:32:37	SELECT Emp_name, Branch_address FROM Employee JOIN Branch ON Employee...	0 row(s) returned	0.016 sec / 0.000 sec



Limit to 1000 rows

```
126 ON Employee.Branch_no = Branch.Branch_no
127 WHERE Position = 'Manager';
128
129 -- 12. Display customer names who issued books with rental price higher than Rs. 25
130 • SELECT Customer_name
131 FROM IssueStatus
132 JOIN Customer
133 ON IssueStatus.Issued_cust = Customer.Customer_Id
134 JOIN Books
135 ON IssueStatus.Isbn_book = Books.ISBN
136 WHERE Rental_Price > 25;
```

Result Grid



Filter Rows:

Export:



Wrap Cell Content:

Customer_name

Result
Grid

Result 27

Read Only

Context Help

Snippets

Output



Action Output

	#	Time	Action	Message	Duration / Fetch
✓	1	14:32:37	SELECT Emp_name, Branch_address FROM Employee JOIN Branch ON Employee...	0 row(s) returned	0.016 sec / 0.000 sec
✓	2	14:33:23	SELECT Customer_name FROM IssueStatus JOIN Customer ON IssueStatus.Issue...	0 row(s) returned	0.000 sec / 0.000 sec



Query 1 x



Limit to 1000 rows

```

128
129 -- 12. Display customer names who issued books with rental price higher than Rs. 25
130 • SELECT Customer_name
131 FROM IssueStatus
132 JOIN Customer
133 ON IssueStatus.Issued_cust = Customer.Customer_Id
134 JOIN Books
135 ON IssueStatus.Isbn_book = Books.ISBN
136 WHERE Rental_Price > 25;

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: [IA](#)

Customer_name

Result Grid

Result 1 x

Read Only

Context Help

Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 10	02:58:25	CREATE TABLE Customer (Customer_Id INT PRIMARY KEY, Customer_name ...	0 row(s) affected	0.062 sec
✓ 11	02:58:30	CREATE TABLE IssueStatus (Issue_Id INT PRIMARY KEY, Issued_cust INT, ...	0 row(s) affected	0.110 sec
✓ 12	02:58:35	CREATE TABLE ReturnStatus (Return_Id INT PRIMARY KEY, Return_cust IN...	0 row(s) affected	0.110 sec
✓ 13	02:58:44	SELECT Customer_name FROM IssueStatus JOIN Customer ON IssueStatus.Issu...	0 row(s) returned	0.015 sec / 0.000 sec