

SQL File 8\* SQL File 9\* SQL File 10\* SQL File 18\* x SQL File 11\* SQL File 12\* SQL File 13\* SQL File 14\* SQL File 15\*

Limit to 1000 rows

```

1 • CREATE DATABASE library;
2
3 • USE library;
4
5 • CREATE TABLE Branch (
6     Branch_no INT PRIMARY KEY,
7     Manager_Id INT,
8     Branch_address VARCHAR(200),
9     Contact_no VARCHAR(20)
10 );
11
12 • CREATE TABLE Employee (
13     Emp_Id INT PRIMARY KEY,
14     Emp_name VARCHAR(200),
15     Position VARCHAR(200),
16     Salary DECIMAL(10, 2),
17     Branch_no INT,
18     FOREIGN KEY (Branch_no) REFERENCES Branch(Branch_no)
19 );

```

Output

Action Output

#	Time	Action	Message
✓ 2	09:49:38	USE library	0 row(s) affected
✓ 3	09:49:38	CREATE TABLE Branch ( Branch_no INT PRIMARY KEY, Manager_Id INT, Branch_address VARCHAR(2...	0 row(s) affected
✓ 4	09:49:38	CREATE TABLE Employee ( Emp_Id INT PRIMARY KEY, Emp_name VARCHAR(200), Position VARCHAR(...	0 row(s) affected
✓ 5	09:49:38	CREATE TABLE Books ( ISBN VARCHAR(20) PRIMARY KEY, Book_title VARCHAR(200), Category VARC...	0 row(s) affected
✓ 6	09:49:38	CREATE TABLE Customer ( Customer_Id INT PRIMARY KEY, Customer_name VARCHAR(200), Customer_...	0 row(s) affected
✓ 7	09:49:38	CREATE TABLE IssueStatus ( Issue_Id INT PRIMARY KEY, Issued_cust_id INT, Issued_book_name VAR...	0 row(s) affected
✓ 8	09:49:38	CREATE TABLE ReturnStatus ( Return_Id INT PRIMARY KEY, Return_cust INT, Return_book_name VAR...	0 row(s) affected

Limit to 1000 rows

19

};

20

21 • CREATE TABLE Books (

22     ISBN VARCHAR(20) PRIMARY KEY,

23     Book\_title VARCHAR(200),

24     Category VARCHAR(100),

25     Rental\_Price DECIMAL(10, 2),

26     Status VARCHAR(5) CHECK(Status IN ('yes', 'no')),

27     Author VARCHAR(200),

28     Publisher VARCHAR(200)

29   );

30

31 • CREATE TABLE Customer (

32     Customer\_Id INT PRIMARY KEY,

33     Customer\_name VARCHAR(200),

34     Customer\_address VARCHAR(200),

35     Reg\_date DATE

36   );

37

Output

Action Output

#	Time	Action	Message
✓ 2	09:49:38	USE library	0 row(s) affected
✓ 3	09:49:38	CREATE TABLE Branch ( Branch_no INT PRIMARY KEY, Manager_Id INT, Branch_address VARCHAR(2...	0 row(s) affected
✓ 4	09:49:38	CREATE TABLE Employee ( Emp_Id INT PRIMARY KEY, Emp_name VARCHAR(200), Position VARCHAR(...	0 row(s) affected
✓ 5	09:49:38	CREATE TABLE Books ( ISBN VARCHAR(20) PRIMARY KEY, Book_title VARCHAR(200), Category VARC...	0 row(s) affected
✓ 6	09:49:38	CREATE TABLE Customer ( Customer_Id INT PRIMARY KEY, Customer_name VARCHAR(200), Customer_...	0 row(s) affected
✓ 7	09:49:38	CREATE TABLE IssueStatus ( Issue_Id INT PRIMARY KEY, Issued_cust_Id INT, Issued_book_name VAR...	0 row(s) affected
✓ 8	09:49:38	CREATE TABLE ReturnStatus ( Return_Id INT PRIMARY KEY, Return_cust INT, Return_book_name VAR...	0 row(s) affected

```

37
38 • CREATE TABLE IssueStatus (
39     Issue_Id INT PRIMARY KEY,
40     Issued_cust_id INT,
41     Issued_book_name VARCHAR(200),
42     Issue_date DATE,
43     Isbn_book VARCHAR(20),
44     FOREIGN KEY (Issued_cust_id) REFERENCES Customer(Customer_Id),
45     FOREIGN KEY (Isbn_book) REFERENCES Books(ISBN)
46 );
47
48 • CREATE TABLE ReturnStatus (
49     Return_Id INT PRIMARY KEY,
50     Return_cust INT,
51     Return_book_name VARCHAR(255),
52     Return_date DATE,
53     Isbn_book2 VARCHAR(20),
54     FOREIGN KEY (Return_cust) REFERENCES Customer(Customer_Id),
55     FOREIGN KEY (Isbn_book2) REFERENCES Books(ISBN)

```

Output

❏ Action Output

	#	Time	Action	Message
✓	2	09:49:38	USE library	0 row(s) affected
✓	3	09:49:38	CREATE TABLE Branch ( Branch_no INT PRIMARY KEY, Manager_Id INT, Branch_address VARCHAR(2...	0 row(s) affected
✓	4	09:49:38	CREATE TABLE Employee ( Emp_Id INT PRIMARY KEY, Emp_name VARCHAR(200), Position VARCHAR(...	0 row(s) affected
✓	5	09:49:38	CREATE TABLE Books ( ISBN VARCHAR(20) PRIMARY KEY, Book_title VARCHAR(200), Category VARC...	0 row(s) affected
✓	6	09:49:38	CREATE TABLE Customer ( Customer_Id INT PRIMARY KEY, Customer_name VARCHAR(200), Customer_...	0 row(s) affected
✓	7	09:49:38	CREATE TABLE IssueStatus ( Issue_Id INT PRIMARY KEY, Issued_cust_id INT, Issued_book_name VAR...	0 row(s) affected
✓	8	09:49:38	CREATE TABLE ReturnStatus ( Return_Id INT PRIMARY KEY, Return_cust INT, Return_book_name VAR...	0 row(s) affected

Limit to 1000 rows

87

88 • INSERT INTO ReturnStatus VALUES

89 (101, 666, "Harry Potter", '2023-10-24', "AAA"),

90 (102, 777, "Harry", '2023-06-08', "DDD"),

91 (103, 555, "The Secret", '2022-06-08', "BBB"),

92 (104, 777, "Rich Dad", '2022-12-08', "CCC");

93

94

95 • SELECT Book\_title, Category, Rental\_Price

96 FROM Books

97 WHERE Status = 'yes';

98

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	Book_title	Category	Rental_Price
▶	Book1	Story	10.00
	Book4	Story	10.00

Books 5 x

Output

Action Output

#	Time	Action	Message
✓ 38	10:28:21	select * from IssueStatus LIMIT 0, 1000	0 row(s) returned
✗ 39	10:29:55	INSERT INTO IssueStatus VALUES (110, 1, "Harry Potter", '2022-06-25', "AAA"), (112, 2, "The Secret", '202...	Error Code: 1452. Cannot add or up
✓ 40	10:32:36	INSERT INTO IssueStatus VALUES (110, 666, "Harry Potter", '2022-06-25', "AAA"), (112, 555, "The Secret", ...	4 row(s) affected Records: 4 Duplic
✗ 41	10:39:09	insert into ReturnStatus values (101,666,"Harry Potter",2023-10-24,666), (102,777,"Harry",2023-06-08,777), (1...	Error Code: 1292. Incorrect date val
✗ 42	10:39:51	INSERT INTO ReturnStatus VALUES (101, 666, "Harry Potter", '2023-10-24', 666), (102, 777, "Harry", '2023-...	Error Code: 1452. Cannot add or up
✓ 43	10:42:37	INSERT INTO ReturnStatus VALUES (101, 666, "Harry Potter", '2023-10-24', "AAA"), (102, 777, "Harry", '202...	4 row(s) affected Records: 4 Duplic
✓ 44	10:42:43	SELECT Book_title, Category, Rental_Price FROM Books WHERE Status = 'yes' LIMIT 0, 1000	2 row(s) returned

s

```
95 • SELECT Book_title, Category, Rental_Price
96 FROM Books
97 WHERE Status = 'yes';
```

s

```
99 • SELECT Emp_name, Salary
100 FROM Employee
101 ORDER BY Salary DESC;
```

102

103



104

Result Grid   Filter Rows:  Export:  Wrap Cell Content: 

	Emp_name	Salary
▶	Ajith	60000.00
	Arun	55000.00
	Raj	40000.00
	Dev	30000.00

Employee 6 x

Output

 Action Output 

	#	Time	Action	Message
✖	39	10:29:55	INSERT INTO IssueStatus VALUES (110, 1, "Harry Potter", '2022-06-25', "AAA"), (112, 2, "The Secret", '202...	Error Code: 1452
✔	40	10:32:36	INSERT INTO IssueStatus VALUES (110, 666, "Harry Potter", '2022-06-25', "AAA"), (112, 555, "The Secret", ...	4 row(s) affected
✖	41	10:39:09	insert into ReturnStatus values (101,666,"Harry Potter",2023-10-24,666), (102,777,"Harry",2023-06-08,777), (1...	Error Code: 1292
✖	42	10:39:51	INSERT INTO ReturnStatus VALUES (101, 666, "Harry Potter", '2023-10-24', 666), (102, 777, "Harry", '2023-...	Error Code: 1452
✔	43	10:42:37	INSERT INTO ReturnStatus VALUES (101, 666, "Harry Potter", '2023-10-24', "AAA"), (102, 777, "Harry", '202...	4 row(s) affected
✔	44	10:42:43	SELECT Book_title, Category, Rental_Price FROM Books WHERE Status = 'yes' LIMIT 0, 1000	2 row(s) returned
✔	45	10:43:42	SELECT Emp_name, Salary FROM Employee ORDER BY Salary DESC LIMIT 0, 1000	4 row(s) returned

```

101 ORDER BY Salary DESC;
102
103
104 • SELECT Category, COUNT(*) AS Count
105 FROM Books
106 GROUP BY Category;

```

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

	Category	Count
▶	Story	2
	Biography	1
	Bibliography	1

Result 7 x

Output

Action Output

	#	Time	Action	Mes
✓	40	10:32:36	INSERT INTO IssueStatus VALUES (110, 666, "Harry Potter", '2022-06-25', "AAA"), (112, 555, "The Secret", ...	4 rov
✗	41	10:39:09	insert into ReturnStatus values (101,666,"Harry Potter",2023-10-24,666), (102,777,"Harry",2023-06-08,777), (1...	Error
✗	42	10:39:51	INSERT INTO ReturnStatus VALUES (101, 666, "Harry Potter", '2023-10-24', 666), (102, 777, "Harry", '2023-...	Error
✓	43	10:42:37	INSERT INTO ReturnStatus VALUES (101, 666, "Harry Potter", '2023-10-24', "AAA"), (102, 777, "Harry", '202...	4 rov
✓	44	10:42:43	SELECT Book_title, Category, Rental_Price FROM Books WHERE Status = 'yes' LIMIT 0, 1000	2 rov
✓	45	10:43:42	SELECT Emp_name, Salary FROM Employee ORDER BY Salary DESC LIMIT 0, 1000	4 rov
✓	46	10:45:04	SELECT Category, COUNT(*) AS Count FROM Books GROUP BY Category LIMIT 0, 1000	3 rov


```
109
110 • SELECT Emp_name, Position
111 FROM Employee
112 WHERE Salary > 50000;
113
```

Result Grid   Filter Rows:  Export:  Wrap Cell Content: 

	Emp_name	Position
▶	Arun	Manager
	Ajith	Engineer

Employee 8 x

Output

 Action Output ▼

	#	Time	Action
✖	41	10:39:09	insert into ReturnStatus values (101,666,"Harry Potter",2023-10-24,666), (102,777,"Harry",2023-06-08,777), (1...
✖	42	10:39:51	INSERT INTO ReturnStatus VALUES (101, 666, "Harry Potter", '2023-10-24', 666), (102, 777, "Harry", '2023-...
✔	43	10:42:37	INSERT INTO ReturnStatus VALUES (101, 666, "Harry Potter", '2023-10-24', "AAA"), (102, 777, "Harry", '202...
✔	44	10:42:43	SELECT Book_title, Category, Rental_Price FROM Books WHERE Status = 'yes' LIMIT 0, 1000
✔	45	10:43:42	SELECT Emp_name, Salary FROM Employee ORDER BY Salary DESC LIMIT 0, 1000
✔	46	10:45:04	SELECT Category, COUNT(*) AS Count FROM Books GROUP BY Category LIMIT 0, 1000
✔	47	10:45:52	SELECT Emp_name, Position FROM Employee WHERE Salary > 50000 LIMIT 0, 1000

```

116
117 • SELECT Customer_name
118 FROM Customer
119 WHERE Reg_date < '2022-01-01'
120 AND Customer_Id NOT IN (SELECT Issued_cust_id FROM IssueStatus);
121 • select * from IssueStatus;
122

```

Result Grid   Filter Rows:  Export:  Wrap Cell Content: 

	Customer_name
▶	Ajay

Customer 20 x

Output

 Action Output ▼

	#	Time	Action
✓	60	10:50:43	select * from IssueStatus LIMIT 0, 1000
✓	61	10:51:52	select * from Customer LIMIT 0, 1000
✓	62	10:51:58	select * from IssueStatus LIMIT 0, 1000
✗	63	10:52:23	UPDATE `library`.`IssueStatus` SET `Issue_Id` = "", `Issued_cust_id` = "", `Issued_book_name` = "", `Issue_date` ...
✗	64	10:52:34	UPDATE `library`.`IssueStatus` SET `Issue_Id` = "", `Issued_cust_id` = "", `Issued_book_name` = "", `Issue_date` ...
✗	65	10:53:18	UPDATE `library`.`IssueStatus` SET `Issued_cust_id` = 0, `Issued_book_name` = "", `Issue_date` = NUL...
✓	66	10:54:11	SELECT Customer_name FROM Customer WHERE Reg_date < '2022-01-01' AND Customer_Id NOT IN (SEL...



```

120 AND Customer_Id NOT IN (SELECT Issued_cust_id FROM IssueStatus);
121 • select * from IssueStatus;
122
123 • SELECT b.Branch_no, COUNT(*) AS Count
124 FROM Branch b
125 JOIN Employee e ON b.Branch_no = e.Branch_no
126 GROUP BY b.Branch_no;
127

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: [1A](#)

Branch_no	Count
1	1
2	1
3	1
4	1

Result 22 x

Output

Action Output

#	Time	Action	Message
63	10:52:23	UPDATE 'library'.IssueStatus SET 'Issue_Id' = '', 'Issued_cust_id' = '', 'Issued_book_name' = '', 'Issue_date' ...	1366: Incorrect integer value: '' for column 'Issue_
64	10:52:34	UPDATE 'library'.IssueStatus SET 'Issue_Id' = '', 'Issued_cust_id' = '', 'Issued_book_name' = '', 'Issue_date' ...	Error Code: 1366. Incorrect integer value: '' for co
65	10:53:18	UPDATE 'library'.IssueStatus SET 'Issued_cust_id' = 0, 'Issued_book_name' = '', 'Issue_date' = NUL...	Error Code: 1452. Cannot add or update a child r
66	10:54:11	SELECT Customer_name FROM Customer WHERE Reg_date < '2022-01-01' AND Customer_Id NOT IN (SEL...	1 row(s) returned
67	10:55:07	SELECT b.Branch_no, COUNT(*) AS Count FROM Branch b JOIN Employee e ON b.Branch_no = e.Branch_n...	4 row(s) returned
68	10:56:03	SELECT Branch_no, COUNT(*) AS Count FROM Branch JOIN Employee e ON b.Branch_no = e.Branch_no ...	Error Code: 1052. Column 'Branch_no' in field list i
69	10:56:10	SELECT b.Branch_no, COUNT(*) AS Count FROM Branch b JOIN Employee e ON b.Branch_no = e.Branch_n...	4 row(s) returned

```

128 SELECT Customer_name
129 FROM Customer
130 JOIN IssueStatus i ON Customer_Id = i.Issued_cust_id
131 WHERE MONTH(i.Issue_date) = 6 AND YEAR(i.Issue_date) = 2023;
132 select * from Customer;
133
134


```

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

	Customer_name
▶	Adi

Result 27 x

Output

 Action Output ▼

	#	Time	Action
✓	69	10:56:10	SELECT b.Branch_no, COUNT(*) AS Count FROM Branch b JOIN Employee e ON b.Branch_no = e.Branch_n.
✓	70	10:56:51	SELECT c.Customer_name FROM Customer c JOIN IssueStatus i ON c.Customer_Id = i.Issued_cust_id WHE...
✗	71	10:57:07	SELECT Customer_name FROM Customer JOIN IssueStatus i ON c.Customer_Id = i.Issued_cust_id WHERE ..
✓	72	10:57:15	SELECT Customer_name FROM Customer JOIN IssueStatus i ON Customer_Id = i.Issued_cust_id WHERE M..
✓	73	10:57:35	select * from Customer LIMIT 0, 1000
✓	74	10:58:03	select * from IssueStatus LIMIT 0, 1000
✓	75	10:58:40	SELECT Customer_name FROM Customer JOIN IssueStatus i ON Customer_Id = i.Issued_cust_id WHERE M..

```

130 JOIN IssueStatus i ON Customer_Id = i.Issued_cust_id
131 WHERE MONTH(i.Issue_date) = 6 AND YEAR(i.Issue_date) = 2023;
132 • select * from Customer;
133
134 • SELECT Book_title
135 FROM Books
136 WHERE Book_title LIKE '%History%';
137
138 • select * from Books;
139

```

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

Book\_title  
History

Books 31 x

Output

Action Output

#	Time	Action	Message
✓ 73	10:57:35	select * from Customer LIMIT 0, 1000	3 row(s) returned
✓ 74	10:58:03	select * from IssueStatus LIMIT 0, 1000	3 row(s) returned
✓ 75	10:58:40	SELECT Customer_name FROM Customer JOIN IssueStatus i ON Customer_Id = i.Issued_cust_id WHERE M...	1 row(s) returned
✓ 76	11:00:14	select * from Books LIMIT 0, 1000	4 row(s) returned
✓ 77	11:00:45	SELECT Book_title FROM Books WHERE Book_title LIKE '%History%' LIMIT 0, 1000	0 row(s) returned
✓ 78	11:00:51	select * from Books LIMIT 0, 1000	4 row(s) returned
✓ 79	11:01:14	SELECT Book_title FROM Books WHERE Book_title LIKE '%History%' LIMIT 0, 1000	1 row(s) returned

139

140 • `SELECT e.Emp_name, b.Branch_address`

141 `FROM Employee e`

142 `JOIN Branch b ON e.Emp_Id = b.Manager_Id;`


143 • `select * from Employee`

Result Grid   Filter Rows:  Export:  Wrap Cell Content: 

	Emp_name	Branch_address
▶	Arun	Branch1

Result 37 ×

Output

 Action Output ▼

	#	Time	Action
✖	80	11:02:11	SELECT Branch_no, COUNT(*) AS Count FROM Branch b JOIN Employee e ON Branch_no = e.Branch_no
✓	81	11:02:18	SELECT b.Branch_no, COUNT(*) AS Count FROM Branch b JOIN Employee e ON b.Branch_no = e.Branch
✓	82	11:02:42	SELECT e.Emp_name, b.Branch_address FROM Employee e JOIN Branch b ON e.Emp_Id = b.Manager_Id
✓	83	11:03:12	select * from Employee LIMIT 0, 1000
✓	84	11:03:30	select * from Branch LIMIT 0, 1000
✓	85	11:04:13	select * from Employee LIMIT 0, 1000

ures

ures

```
144 • select * from Branch;
145
146 • SELECT Customer_name
147 FROM Customer c
148 JOIN IssueStatus i ON Customer_Id = i.Issued_cust_id
149 JOIN Books b ON i.Isbn_book = b.ISBN
150 WHERE b.Rental_Price > 25;
151
```

Result Grid   Filter Rows:  Export:  Wrap Cell Content: 

Customer_name
Lalu

15

Result 38 ×

Output

 Action Output

#	Time	Action	Message
✓ 81	11:02:18	SELECT b.Branch_no, COUNT(*) AS Count FROM Branch b JOIN Employee e ON b.Branch_no = e.Branch_n...	0 row(s) returned
✓ 82	11:02:42	SELECT e.Emp_name, b.Branch_address FROM Employee e JOIN Branch b ON e.Emp_Id = b.Manager_Id LI...	0 row(s) returned
✓ 83	11:03:12	select * from Employee LIMIT 0, 1000	4 row(s) returned
✓ 84	11:03:30	select * from Branch LIMIT 0, 1000	4 row(s) returned
✓ 85	11:04:13	select * from Employee LIMIT 0, 1000	4 row(s) returned
✓ 86	11:04:18	SELECT e.Emp_name, b.Branch_address FROM Employee e JOIN Branch b ON e.Emp_Id = b.Manager_Id LI...	1 row(s) returned
✓ 87	11:05:03	SELECT Customer_name FROM Customer c JOIN IssueStatus i ON Customer_Id = i.Issued_cust_id JOIN Boo...	1 row(s) returned