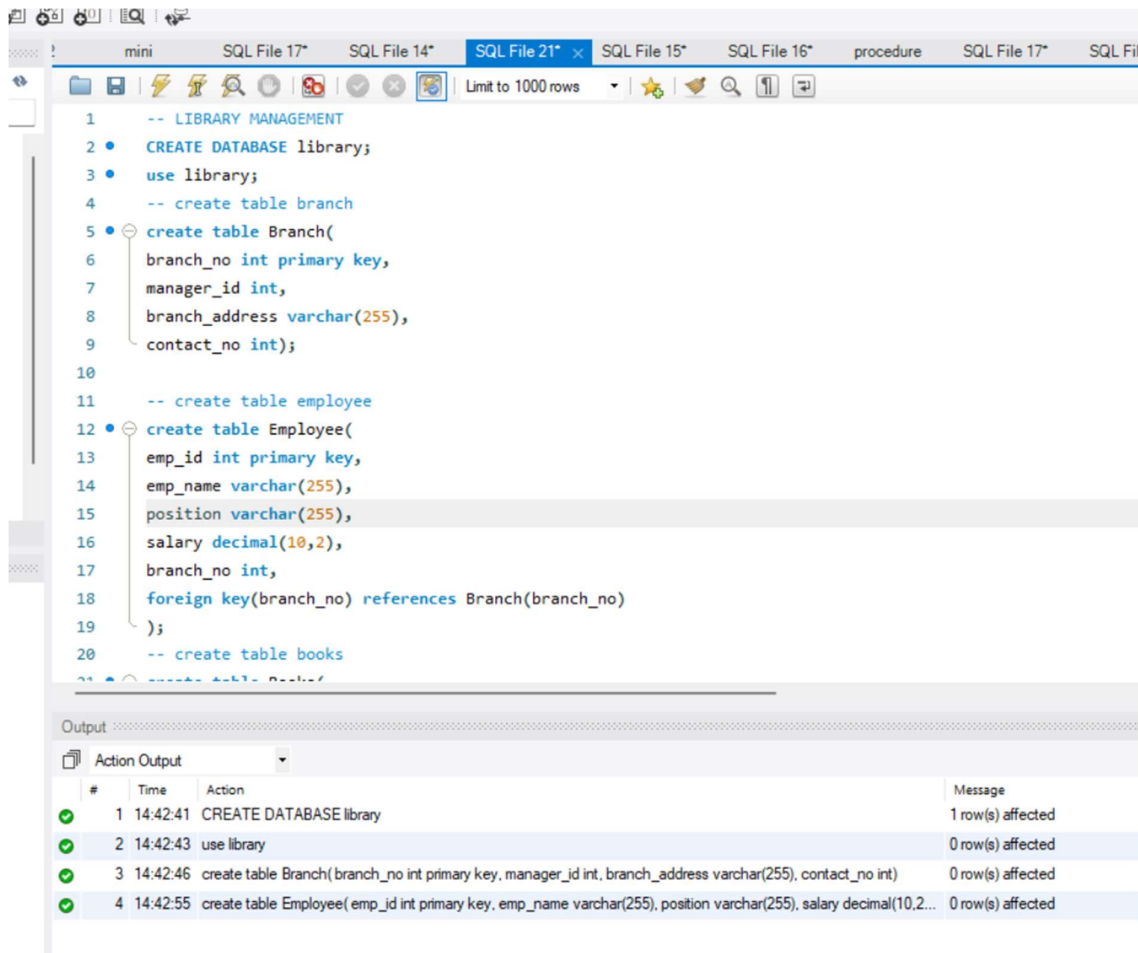


# LIBRARY MANAGEMENT SYSTEM

## CREATE DATABASE, TABLE AND INSERT VALUES



The screenshot displays a SQL IDE interface with multiple tabs. The active tab, 'SQL File 21\*', contains the following SQL script:

```
1  -- LIBRARY MANAGEMENT
2  • CREATE DATABASE library;
3  • use library;
4  -- create table branch
5  • create table Branch(
6    branch_no int primary key,
7    manager_id int,
8    branch_address varchar(255),
9    contact_no int);
10
11  -- create table employee
12  • create table Employee(
13    emp_id int primary key,
14    emp_name varchar(255),
15    position varchar(255),
16    salary decimal(10,2),
17    branch_no int,
18    foreign key(branch_no) references Branch(branch_no)
19  );
20  -- create table books
```

Below the script editor, the 'Output' window is visible, showing the execution results under the 'Action Output' tab:

#	Time	Action	Message
✓ 1	14:42:41	CREATE DATABASE library	1 row(s) affected
✓ 2	14:42:43	use library	0 row(s) affected
✓ 3	14:42:46	create table Branch( branch_no int primary key, manager_id int, branch_address varchar(255), contact_no int)	0 row(s) affected
✓ 4	14:42:55	create table Employee( emp_id int primary key, emp_name varchar(255), position varchar(255), salary decimal(10,2)...	0 row(s) affected

mini SQL File 17 SQL File 14 SQL File 21 SQL File 15 SQL File 16 procedure SQL File 17 SQL File 18

Limit to 1000 rows

```
19 );
20 -- create table books
21 • create table Books(
22     ISBN int primary key,
23     book_title varchar(255),
24     category varchar(255),
25     rental_price decimal(10,2),
26     status varchar(255),
27     author varchar(255),
28     publisher varchar(255)
29 );
30 -- create table customer
31 • create table Customer(
32     customer_id int primary key,
33     customer_name varchar(255),
34     customer_address varchar(255),
35     reg_date date);
36
37 -- create table issue status
38 • create table IssueStatus(
39     issue_id int primary key,
```

Output

Action Output

#	Time	Action	Message
✓ 1	14:42:41	CREATE DATABASE library	1 row(s) affected
✓ 2	14:42:43	use library	0 row(s) affected
✓ 3	14:42:46	create table Branch(branch_no int primary key, manager_id int, branch_address varchar(255), contact_no int)	0 row(s) affected
✓ 4	14:42:55	create table Employee(emp_id int primary key, emp_name varchar(255), position varchar(255), salary decimal(10,2), reg_date date)	0 row(s) affected
✓ 5	14:43:40	create table Books( ISBN int primary key, book_title varchar(255), category varchar(255), rental_price decimal(10,2), status varchar(255), author varchar(255), publisher varchar(255))	0 row(s) affected
✓ 6	14:43:43	create table Customer(customer_id int primary key, customer_name varchar(255), customer_address varchar(255), reg_date date)	0 row(s) affected

mini SQL File 17\* SQL File 14\* SQL File 21\* x SQL File 15\* SQL File 16\* procedure SQL File 17\* SQL File 18\*

Limit to 1000 rows

```

37  -- create table issue status
38  • create table IssueStatus(
39      issue_id int primary key,
40      issued_cust_id int,
41      issued_book_name varchar(255),
42      issue_date date,
43      isbn_book int,
44      foreign key(issued_cust_id)references Customer(customer_id),
45      foreign key(isbn_book)references Books(ISBN)
46  );
47  -- create table returnstatus
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 int,
54      foreign key(return_cust)references Customer(customer_id),
55      foreign key(isbn_book2)references Books(ISBN)
56  );

```

Output

Action Output

#	Time	Action	Message
✓ 3	14:42:46	create table Branch( branch_no int primary key, manager_id int, branch_address varchar(255), contact_no int)	0 row(s) affected
✓ 4	14:42:55	create table Employee( emp_id int primary key, emp_name varchar(255), position varchar(255), salary decimal(10,...	0 row(s) affected
✓ 5	14:43:40	create table Books( ISBN int primary key, book_title varchar(255), category varchar(255), rental_price decimal(10,...	0 row(s) affected
✓ 6	14:43:43	create table Customer( customer_id int primary key, customer_name varchar(255), customer_address varchar(25,...	0 row(s) affected
✓ 7	14:44:17	create table IssueStatus( issue_id int primary key, issued_cust_id int, issued_book_name varchar(255), issue_dat...	0 row(s) affected
✓ 8	14:44:19	create table ReturnStatus( return_id int primary key, return_cust int, return_book_name varchar(255), return_date...	0 row(s) affected

mini
SQL File 17\*
SQL File 14\*
SQL File 21\*
SQL File 15\*
SQL File 16\*
procedure
SQL File 17\*
SQL File 18\*
SQL File 19\*
SQL File 20\*

Limit to 1000 rows

```

58 • insert into Branch values(120,012,'anjana library',975632126),(121,013,'shivaya library',961287523),
59 (122,014,'thaliya library',850163425),(123,015,'amaya library',799403685),(124,016,'vedhic library',790164582);
60
61 • insert into Employee values(1221,'sanu','manager',55000,123),(1222,'chiyan','clerk',35000,124),
62 (1223,'manu','cashier',38000,122),(1224,'kenza','assistant',40000,120),(1225,'miya','accountant',50000,121);
63
64 • insert into Books values(4001,'modern india','history',20,'yes','rajeev iyer','spectrum'),(4002,'the god of small things','novel',50,'no','aru
65 (4003,'the guide','novel',10,'yes','r k narayan','methuen'),(4004,'the alchemist','novel',30,'no','paulo coelho','harpercollins'),
66 (4005,'an autobiography','autobiography',50,'yes','jawaharlal nehru','the bodley head');
67
68 • insert into Customer values(501,'anu','kondotty','2023-05-06'),(502,'sachu','chemmad','2023-11-12'),(503,'sinya','thrissur','2023-04-16'),
69 (504,'diya','calicut','2023-09-10'),(505,'neena','nellur','2023-11-10');
70
71 • insert into IssueStatus values(1001,504,'an autobiography','2024-01-01',4005),(1002,505,'the alchemist','2024-01-01',4004),
72 (1006,501,'modern india','2024-01-02',4001),(1004,502,'the god of small things','2023-11-13',4002),
73 (1005,503,'the guide','2024-02-02',4003);
74
75 • insert into ReturnStatus values(2001,504,'an autobiography','2024-05-06',4005),(2002,505,'the alchemist','2024-05-11',4004),
76 (2003,501,'modern india','2024-02-02',4001),(2004,502,'the god of small things','2023-12-13',4002),
77 (2005,503,'the guide','2024-05-02',4003);

```

Output

Action Output

#	Time	Action	Message
9	14:44:54	insert into Branch values(120,012,'anjana library',975632126),(121,013,'shivaya library',961287523), (122,014,th...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0
10	14:44:56	insert into Employee values(1221,'sanu','manager',55000,123),(1222,'chiyan','clerk',35000,124), (1223,'manu','ca...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0
11	14:44:57	insert into Books values(4001,'modern india','history',20,'yes','rajeev iyer','spectrum'),(4002,'the god of small thing...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0
12	14:44:59	insert into Customer values(501,'anu','kondotty','2023-05-06'),(502,'sachu','chemmad','2023-11-12'),(503,'sinya','th...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0
13	14:45:08	insert into IssueStatus values(1001,504,'an autobiography','2024-01-01',4005),(1002,505,'the alchemist','2024-01...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0
14	14:45:10	insert into ReturnStatus values(2001,504,'an autobiography','2024-05-06',4005),(2002,505,'the alchemist','2024-0...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0

# DISPLAY ALL THE TABLES

The screenshot displays a SQL IDE interface. At the top, there are tabs for 'mini', 'SQL File 17', 'SQL File 14', 'SQL File 21', 'SQL File 15', 'SQL File 16', 'procedure', and 'SQL File 17'. Below the tabs is a toolbar with various icons, including a folder, a document, a lightning bolt, a magnifying glass, a trash can, a refresh icon, a close icon, a save icon, and a 'Limit to 1000 rows' dropdown. The main editor area shows a SQL query: `SELECT * FROM library.books;`. Below the query is a 'Result Grid' section. It has a 'Filter Rows' input field, an 'Edit' button, an 'Export/Import' button, and a 'Wrap Cell Content' checkbox. The grid contains 5 rows of data:

	ISBN	book_title	category	rental_price	status	author	publisher
▶	4001	modern india	history	20.00	yes	rajeev iyer	spectrum
	4002	the god of small things	novel	50.00	no	arundhathi roy	penguin
	4003	the guide	novel	10.00	yes	r k narayan	methuen
	4004	the alchemist	novel	30.00	no	paulo coelho	harpercollins
	4005	an autobiography	autobiography	50.00	yes	jawaharlal nehru	the bodley head

Below the grid, there is a section labeled 'books 2 x'. At the bottom, there is an 'Output' section with a dropdown menu set to 'Action Output'. It shows 5 messages:

#	Time	Action	Message
✓ 10	14:44:56	insert into Employee values(1221,'sanu','manager',55000,123),(1222,'chitan','clerk',35000,124),(1223,'manu','c...	5 row(s) affected
✓ 11	14:44:57	insert into Books values(4001,'modern india','history',20,'yes','rajeev iyer','spectrum'),(4002,'the god of small thin...	5 row(s) affected
✓ 12	14:44:59	insert into Customer values(501,'anu','kondotty','2023-05-06'),(502,'sachu','chemmad','2023-11-12'),(503,'sinya','t...	5 row(s) affected
✓ 13	14:45:08	insert into IssueStatus values(1001,504,'an autobiography','2024-01-01',4005),(1002,505,'the alchemist','2024-0...	5 row(s) affected







mini SQL File 17\* SQL File 14\* SQL File 21\* x SQL File 15\* SQL File 16\* procedure SQL File 17\* SQL

Limit to 1000 rows

```
82
83
84
85
86
87 • SELECT * FROM library.employee;
88
89
90
91
92
93
94
```

Result Grid

	emp_id	emp_name	position	salary	branch_no
▶	1221	sanu	manager	55000.00	123
	1222	chiyan	clerk	35000.00	124
	1223	manu	cashier	38000.00	122
	1224	kenza	assistant	40000.00	120
	1225	miya	accountant	50000.00	121
•	NULL	NULL	NULL	NULL	NULL

employee 22 x

Output

Action Output

#	Time	Action	Message
✓ 1	15:27:36	SELECT DISTINCT c.customer_name from issuestatus i JOIN Books b ON i.isbn_book=b.ISBN JOIN Customer c...	3 row(s) returned
✓ 2	15:41:25	SELECT * FROM library.employee LIMIT 0, 1000	5 row(s) returned



miniSQL File 17\*SQL File 14\*SQL File 21\* xSQL File 15\*SQL File 16\*procedureSQL File 17\*SQL File 18\*

Limit to 1000 rows

74

75

•

insert into ReturnStatus values(2001,504,'an autobiography','2024-05-06',4005),(2002,505,'the alchemist','2024-05-

76

(2003,501,'modern india','2024-02-02',4001),(2004,502,'the god of small things','2023-12-13',4002),

77

(2005,503,'the guide','2024-05-02',4003);

78

79

•

SELECT \* FROM library.books;

80

81

•

SELECT \* FROM library.branch;

82

83

•

SELECT \* FROM library.issuestatus;

84

85

86

--

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content: [IA](#)

	issue_id	issued_cust_id	issued_book_name	issue_date	isbn_book
▶	1001	504	an autobiography	2024-01-01	4005
	1002	505	the alchemist	2024-01-01	4004
	1004	502	the god of small things	2023-11-13	4002
	1005	503	the guide	2024-02-02	4003
	1006	501	modern india	2024-01-02	4001
▲	NULL	NULL	NULL	NULL	NULL

issuestatus 6 x

Output

Action Output

#	Time	Action	Message
✓	15 14:45:45	SELECT * FROM library.books LIMIT 0, 1000	5 row(s) returned
✓	16 14:49:52	SELECT * FROM library.branch LIMIT 0, 1000	5 row(s) returned
✓	17 14:50:49	SELECT * FROM library.customer LIMIT 0, 1000	5 row(s) returned
✓	18 14:51:29	SELECT * FROM library.employee LIMIT 0, 1000	5 row(s) returned
✓	19 14:52:16	SELECT * FROM library.issuestatus LIMIT 0, 1000	5 row(s) returned



miniSQL File 17SQL File 14SQL File 21SQL File 15SQL File 16procedureSQL File 17SQL File 18SQL

Limit to 1000 rows

7475 • insert into ReturnStatus values(2001,504,'an autobiography','2024-05-06',4005),(2002,505,'the alchemist','2024-05-11'  
76 (2003,501,'modern india','2024-02-02',4001),(2004,502,'the god of small things','2023-12-13',4002),  
77 (2005,503,'the guide','2024-05-02',4003);  
78  
79 • SELECT \* FROM library.books;  
80  
81 • SELECT \* FROM library.branch;  
82  
83 • SELECT \* FROM library.returnstatus;  
84  
85  
86  
--

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Contents: [IA](#)

	return_id	return_cust	return_book_name	return_date	isbn_book2
▶	2001	504	an autobiography	2024-05-06	4005
	2002	505	the alchemist	2024-05-11	4004
	2003	501	modern india	2024-02-02	4001
	2004	502	the god of small things	2023-12-13	4002
	2005	503	the guide	2024-05-02	4003
•	NULL	NULL	NULL	NULL	NULL

returnstatus 7 ×

Output

Action Output

#	Time	Action	Message
✓	16 14:49:52	SELECT * FROM library.branch LIMIT 0, 1000	5 row(s) returned
✓	17 14:50:49	SELECT * FROM library.customer LIMIT 0, 1000	5 row(s) returned
✓	18 14:51:29	SELECT * FROM library.employee LIMIT 0, 1000	5 row(s) returned
✓	19 14:52:16	SELECT * FROM library.issuestatus LIMIT 0, 1000	5 row(s) returned
✓	20 14:52:49	SELECT * FROM library.returnstatus LIMIT 0, 1000	5 row(s) returned

1)Retrieve the book title, category, and rental price of all available books

The screenshot shows a SQL IDE interface with multiple tabs at the top: mini, SQL File 17\*, SQL File 14\*, SQL File 21\* (active), SQL File 15\*, SQL File 16\*, procedure, SQL File 17\*, and SQL File. The active tab contains the following SQL query:

```
85
86
87 -- 1
88
89 • select book_title,category,rental_price from Books
90 where status='yes';
91
92
93
94
95
96
97
```

Below the query editor is the "Result Grid" section, which displays the results of the query in a table format:

book_title	category	rental_price
modern india	history	20.00
the guide	novel	10.00
an autobiography	autobiography	50.00

Below the result grid is the "Output" section, which shows the execution log. The log includes the following entries:

#	Time	Action	Message
✓ 17	14:50:49	SELECT * FROM library.customer LIMIT 0, 1000	5 row(s) returned
✓ 18	14:51:29	SELECT * FROM library.employee LIMIT 0, 1000	5 row(s) returned
✓ 19	14:52:16	SELECT * FROM library.issuestatus LIMIT 0, 1000	5 row(s) returned
✓ 20	14:52:49	SELECT * FROM library.returnstatus LIMIT 0, 1000	5 row(s) returned
✓ 21	14:55:35	select book_title,category,rental_price from Books where status='yes' LIMIT 0, 1000	3 row(s) returned

2)List the employee names and their respective salaries in descending order of salary.

The screenshot shows a SQL IDE interface with multiple tabs at the top: 'mini', 'SQL File 17\*', 'SQL File 14\*', 'SQL File 21\*' (active), 'SQL File 15\*', 'SQL File 16\*', 'procedure', 'SQL File 17\*', and 'SQL File 18'. The active tab contains the following SQL query:

```
92  
93 -- 2  
94  
95 • SELECT emp_name,salary from Employee  
96 order by salary DESC;  
97  
98  
99  
100  
101  
102  
103  
104
```

Below the query editor is the 'Result Grid' section, which displays the results of the query in a table format:

emp_name	salary
sanu	55000.00
miya	50000.00
kenza	40000.00
manu	38000.00
chiyan	35000.00

At the bottom of the IDE is the 'Output' section, which shows a log of database actions:

#	Time	Action	Message
✓ 18	14:51:29	SELECT * FROM library.employee LIMIT 0, 1000	5 row(s) returned
✓ 19	14:52:16	SELECT * FROM library.issuestatus LIMIT 0, 1000	5 row(s) returned
✓ 20	14:52:49	SELECT * FROM library.retumstatus LIMIT 0, 1000	5 row(s) returned
✓ 21	14:55:35	select book_title,category,rental_price from Books where status='yes' LIMIT 0, 1000	3 row(s) returned

### 3) Retrieve the book titles and the corresponding customers who have issued

The screenshot shows a SQL IDE interface with multiple tabs at the top: mini, SQL File 17\*, SQL File 14\*, SQL File 21\* (active), SQL File 15\*, SQL File 16\*, procedure, SQL File 17\*, and SQL File 11. The active tab contains a SQL query starting at line 98. The query is as follows:

```
98
99  -- 3
100
101 • SELECT b.book_title,c.customer_name from IssueStatus i
102 JOIN Books b ON i.isbn_book=b.ISBN
103 JOIN Customer c ON i.issued_cust_id=c.customer_id;
104
105
106
107
108
109
110
```

Below the query editor is the 'Result Grid' section, which displays the results of the query in a table with two columns: 'book\_title' and 'customer\_name'.

book_title	customer_name
an autobiography	diya
the alchemist	neena
the god of small things	sachu
the guide	sinya
modern india	anu

Below the result grid is the 'Output' section, which shows the 'Action Output' of the query. It contains a table with columns: #, Time, Action, and Message.

#	Time	Action	Message
19	14:52:16	SELECT * FROM library.issuestatus LIMIT 0, 1000	5 row(s) returned
20	14:52:49	SELECT * FROM library.retumstatus LIMIT 0, 1000	5 row(s) returned
21	14:55:35	select book_title,category,rental_price from Books where status='yes' LIMIT 0, 1000	3 row(s) returned
22	14:57:44	SELECT emp_name,salary from Employee order by salary DESC LIMIT 0, 1000	5 row(s) returned
23	15:02:04	SELECT b.book_title,c.customer_name from IssueStatus i JOIN Books b ON i.isbn_book=b.ISBN JOIN Custom...	5 row(s) returned

4) Display the total count of books in each category.

The screenshot shows a SQL IDE interface with multiple tabs at the top: 'mini', 'SQL File 17\*', 'SQL File 14\*', 'SQL File 21\*' (active), 'SQL File 15\*', 'SQL File 16\*', 'procedure', 'SQL File 17\*', and 'SQL File'. The active tab contains a SQL query starting at line 104. The query is:

```
104
105
106 -- 4
107
108 • SELECT category, count(*) as total_books from Books
109    group by category;
110
111
112
113
114
115
116
```

Below the query editor is a 'Result Grid' section. It includes a 'Filter Rows' field, an 'Export' button, and a 'Wrap Cell Content' checkbox. The grid displays the following data:

category	total_books
history	1
novel	3
autobiography	1

Below the result grid is an 'Output' section with a dropdown menu set to 'Action Output'. It displays a log of actions and their results:

#	Time	Action	Message
✓ 20	14:52:49	SELECT * FROM library.returnstatus LIMIT 0, 1000	5 row(s) returned
✓ 21	14:55:35	select book_title,category,rental_price from Books where status='yes' LIMIT 0, 1000	3 row(s) returned
✓ 22	14:57:44	SELECT emp_name,salary from Employee order by salary DESC LIMIT 0, 1000	5 row(s) returned
✓ 23	15:02:04	SELECT b.book_title,c.customer_name from IssueStatus i JOIN Books b ON i.isbn_book=b.ISBN JOIN Custom...	5 row(s) returned
✓ 24	15:05:45	SELECT category, count(*) as total_books from Books group by category LIMIT 0, 1000	3 row(s) returned



5. Retrieve the employee names and their positions for the employees whose salaries are above Rs.50,000.

The screenshot shows a SQL IDE interface with multiple tabs at the top: 'mini', 'SQL File 17\*', 'SQL File 14\*', 'SQL File 21' (active), 'SQL File 15\*', 'SQL File 16\*', 'procedure', 'SQL File 17\*', and 'SQL'. The active tab 'SQL File 21' contains the following SQL query:

```
112
113  -- 5
114
115 • SELECT emp_name,position from Employee
116    where salary>50000;
117
118
119
120
121
122
123
124
```

Below the query editor, the 'Result Grid' is displayed with the following data:

emp_name	position
sanu	manager

At the bottom, the 'Output' pane shows a log of actions and their results:

#	Time	Action	Message
21	14:55:35	select book_title,category,rental_price from Books where status='yes' LIMIT 0, 1000	3 row(s) returned
22	14:57:44	SELECT emp_name,salary from Employee order by salary DESC LIMIT 0, 1000	5 row(s) returned
23	15:02:04	SELECT b.book_title,c.customer_name from IssueStatus i JOIN Books b ON i.isbn_book=b.ISBN JOIN Custom...	5 row(s) returned
24	15:05:45	SELECT category, count(*) as total_books from Books group by category LIMIT 0, 1000	3 row(s) returned
25	15:06:54	SELECT emp_name,position from Employee where salary>50000 LIMIT 0, 1000	1 row(s) returned

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

The screenshot shows a SQL IDE with multiple tabs. The active tab is 'SQL File 21\*', which contains the following SQL code:

```
114
115 • SELECT emp_name,position from Employee
116 where salary>50000;
117
118
119
120
121 -- 6
122
123 • SELECT customer_name from Customer C
124 LEFT JOIN issuestatus i ON c.customer_id=i.issued_cust_id
125 where c.reg_date < '2022-01-01' and i.issued_cust_id is null;
126
```

Below the code editor, there is a 'Result Grid' section with a 'Filter Rows' dropdown and an 'Export' button. The 'customer\_name' column is selected for display.

The 'Output' section shows the execution results for 'Result 15':

#	Time	Action	Message
28	15:11:11	SELECT customer_name from Customer C LEFT JOIN issuestatus i ON c.customer_id=i.issued_cust_id where c...	0 row(s) returned
29	15:11:32	SELECT customer_name from Customer C LEFT JOIN issuestatus i ON c.customer_id=i.issued_cust_id where c...	0 row(s) returned

7. Display the branch numbers and the total count of employees in each branch.

The screenshot shows a SQL IDE interface with multiple tabs at the top: 'mini', 'SQL File 17\*', 'SQL File 14\*', 'SQL File 21\*' (active), 'SQL File 15\*', 'SQL File 16\*', 'procedure', 'SQL File 17\*', 'SQL File 18\*', and 'SQL File 19\*'. The active tab contains a SQL query starting at line 127. The query is as follows:

```
127
128
129 -- 7
130
131 • SELECT branch_no, count(*) as total_employees
132    from Employee
133   group by branch_no;
134
135
136
137
138
139
```

Below the query editor, the 'Result Grid' is displayed, showing the results of the query. The grid has two columns: 'branch\_no' and 'total\_employees'. The data is as follows:

branch_no	total_employees
120	1
121	1
122	1
123	1
124	1

Below the result grid, the 'Output' pane is visible, showing a message: 'Result 16 x'. The 'Action Output' pane shows a message: '29 15:11:32 SELECT customer\_name from Customer C LEFT JOIN issuestatus i ON c.customer\_id=i.issued\_cust\_id where c... 0 row(s) returned'.

8. Display the names of customers who have issued books in the month of June 2023.

miniSQL File 17\*SQL File 14\*SQL File 21\*SQL File 15\*SQL File 16\*procedureSQL File 17\*SQL File 18\*SQL File

Limit to 1000 rows

134135136137-- 8138139• SELECT distinct c.customer\_name from issuestatus i140 JOIN customer c ON i.issued\_cust\_id=c.customer\_id141 where i.issue\_date between 2023-06-01 and 2023-06-30;142143144145146

Result GridFilter Rows:Export:Wrap Cell Content:

customer\_name

Result 17

Output

Action Output

#	Time	Action	Message
30	15:12:49	insert into IssueStatus values(1001,504,'an autobiography','2023-01-01',4005),(1002,505,the alchemist','2023-0...	Error Code: 1062. Duplicate entry '1001' for key 'Issues
31	15:13:11	insert into IssueStatus values(1001,504,'an autobiography','2023-01-01',4005),(1002,505,the alchemist','2023-0...	Error Code: 1062. Duplicate entry '1001' for key 'Issues
32	15:13:24	SELECT customer_name from Customer C LEFT JOIN issuestatus i ON c.customer_id=i.issued_cust_id where c...	0 row(s) returned
33	15:14:56	SELECT branch_no,count(*) as total_employees from Employee group by branch_no LIMIT 0, 1000	5 row(s) returned
34	15:18:05	SELECT distinct c.customer_name from issuestatus i JOIN customer c ON i.issued_cust_id=c.customer_id wher...	0 row(s) returned

9. Retrieve book\_title from book table containing history.

mini SQL File 17\* SQL File 14\* SQL File 21\* x SQL File 15\* SQL File 16\* procedure SQL File 17\* S

Limit to 1000 rows

```
144
145
146 -- 9
147
148 • SELECT book_title from Books
149 where category LIKE 'history';
150
151
152
153
154
155
156
```

Result Grid

book_title
modern india

Books 18 x

Output

Action Output

#	Time	Action	Message
31	15:13:11	insert into IssueStatus values(1001,504,'an autobiography','2023-01-01',4005),(1002,505,'the alchemist','2023-0...	Error Code: 1062. Duplicate
32	15:13:24	SELECT customer_name from Customer C LEFT JOIN issuestatus i ON c.customer_id=i.issued_cust_id where c...	0 row(s) returned
33	15:14:56	SELECT branch_no,count(*) as total_employees from Employee group by branch_no LIMIT 0, 1000	5 row(s) returned
34	15:18:05	SELECT distinct c.customer_name from issuestatus i JOIN customer c ON i.issued_cust_id=c.customer_id wher...	0 row(s) returned
35	15:19:43	SELECT book_title from Books where category LIKE 'history' LIMIT 0, 1000	1 row(s) returned

10.Retrieve the branch numbers along with the count of employees for branches having more than 5 employees

miniSQL File 17\*SQL File 14\*SQL File 21\*SQL File 15\*SQL File 16\*procedureSQL File 17\*SQL File 1

Limit to 1000 rows

150

151

152

153-- 10

154

155• SELECT branch\_no,count(\*) as total\_employees from Employee

156group by branch\_no

157having count(\*)>5;

158

159

160

161

162

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

branch_no	total_employees
-----------	-----------------

Result 19

Output

Action Output

#	Time	Action	Message
✓ 32	15:13:24	SELECT customer_name from Customer C LEFT JOIN issuestatus i ON c.customer_id=i.issued_cust_id where c...	0 row(s) returned
✓ 33	15:14:56	SELECT branch_no,count(*) as total_employees from Employee group by branch_no LIMIT 0, 1000	5 row(s) returned
✓ 34	15:18:05	SELECT distinct c.customer_name from issuestatus i JOIN customer c ON i.issued_cust_id=c.customer_id wher...	0 row(s) returned
✓ 35	15:19:43	SELECT book_title from Books where category LIKE 'history' LIMIT 0, 1000	1 row(s) returned
✓ 36	15:21:28	SELECT branch_no,count(*) as total_employees from Employee group by branch_no having count(*)>5 LIMIT 0...	0 row(s) returned

11. Retrieve the names of employees who manage branches and their respective branch addresses.

The screenshot shows a SQL IDE interface with multiple tabs at the top: 'mini', 'SQL File 17\*', 'SQL File 14\*', 'SQL File 21\*' (active), 'SQL File 15\*', 'SQL File 16\*', 'procedure', 'SQL File 17\*', and 'SQL I'. The active tab 'SQL File 21\*' contains a SQL query starting at line 163:

```
163 • SELECT e.emp_name,b.branch_address from Employee e
164 JOIN branch b ON e.emp_id=b.manager_id;
```

Below the query editor, there is a 'Result Grid' section with a table header:

emp_name	branch_address
----------	----------------

At the bottom, the 'Output' pane shows a list of executed actions and their results:

#	Time	Action	Message
33	15:14:56	SELECT branch_no,count(*) as total_employees from Employee group by branch_no LIMIT 0, 1000	5 row(s) returned
34	15:18:05	SELECT distinct c.customer_name from issuestatus i JOIN customer c ON i.issued_cust_id=c.customer_id wher...	0 row(s) returned
35	15:19:43	SELECT book_title from Books where category LIKE 'history' LIMIT 0, 1000	1 row(s) returned
36	15:21:28	SELECT branch_no,count(*) as total_employees from Employee group by branch_no having count(*)>5 LIMIT 0...	0 row(s) returned
37	15:23:37	SELECT e.emp_name,b.branch_address from Employee e JOIN branch b ON e.emp_id=b.manager_id LIMIT 0,...	0 row(s) returned



12. Display the names of customers who have issued books with a rental price higher than Rs. 25.

The screenshot shows a SQL IDE interface with multiple tabs at the top: 'mini', 'SQL File 17\*', 'SQL File 14\*', 'SQL File 21\*' (active), 'SQL File 15\*', 'SQL File 16\*', 'procedure', 'SQL File 17\*', and 'SQL File 18\*'. The active tab contains a SQL query starting at line 166. The query is as follows:

```
166
167
168
169 -- 12
170
171 • SELECT DISTINCT c.customer_name from issuestatus i
172 JOIN Books b ON i.isbn_book=b.ISBN
173 JOIN Customer c ON i.issued_cust_id=c.customer_id
174 where b.rental_price>25;
175
176
177
178
```

Below the query editor, there is a 'Result Grid' section. It includes a 'Filter Rows:' input field, an 'Exports:' button, and a 'Wrap Cell Content:' checkbox. The grid displays the following data:

customer_name
sachu
neena
diya

At the bottom of the IDE, there is an 'Output' section with a dropdown menu set to 'Action Output'. It displays a log entry:

#	Time	Action	Message
✓ 1	15:27:36	SELECT DISTINCT c.customer_name from issuestatus i JOIN Books b ON i.isbn_book=b.ISBN JOIN Customer c...	3 row(s) returned