

The screenshot shows a SQL IDE with a toolbar at the top and a code editor. The code editor contains the following SQL statements:

```
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(255),
9     Contact_no VARCHAR(20)
10 );
11
12 • INSERT INTO Branch (Branch_no, Manager_Id, Branch_address, Contact_no)
13 VALUES
14 (1, 101, '123 KK STREET, Coimbatore', '0422-122336'),
15 (2, 102, '456 MG ROAD, Bangalore', '080-770112'),
16 (3, 103, '789 NSR ROAD, Chennai', '044-549090');
```

Below the code editor, there is an 'Output' section with a dropdown menu set to 'Action Output'. It displays a table with the following data:

#	Time	Action	Message
✓ 6	21:26:26	CREATE TABLE Branch (Branch_no INT PRIMARY KEY, Manager_Id INT, Branch_address VAR...	0 row(s) affected
✓ 7	21:26:29	INSERT INTO Branch (Branch_no, Manager_Id, Branch_address, Contact_no) VALUES (1, 101, '123 ...	3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0

SQL_ASSIGNMENT_9 SQL File 3* SQL_ASSIGNMENT_10 SQL File 5* SQL File 6* x

Limit to 500 rows

```
18 • CREATE TABLE Employee (  
19     Emp_Id INT PRIMARY KEY,  
20     Emp_name VARCHAR(255),  
21     Position VARCHAR(100),  
22     Salary DECIMAL(10, 2),  
23     Branch_no INT,  
24     FOREIGN KEY (Branch_no) REFERENCES Branch(Branch_no)  
25 );  
26  
27 • INSERT INTO Employee (Emp_Id, Emp_name, Position, Salary, Branch_no)  
28 VALUES  
29 (101, 'John Smith', 'Manager', 50000.00, 1),  
30 (102, 'Jane Doe', 'Assistant Manager', 40000.00, 2),  
31 (103, 'Bob Johnson', 'Branch Manager', 60000.00, 3),  
32 (104, 'Alice Williams', 'Sales Executive', 30000.00, 1),  
33 (105, 'Mike Davis', 'Customer Support', 25000.00, 2);  
34  
35  
36  
37
```

Output

Action Output

#	Time	Action	Message
✓ 8	21:28:21	CREATE TABLE Employee (Emp_Id INT PRIMARY KEY, Emp_name VARCHAR(255), Position V...	0 row(s) affected
✓ 9	21:28:24	INSERT INTO Employee (Emp_Id, Emp_name, Position, Salary, Branch_no) VALUES (101, 'John Smit...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0

SQL_ASSIGNMENT_9

SQL File 3*

SQL_ASSIGNMENT_10

SQL File 5*

SQL File 6* x

Limit to 500 rows

```

38     Category VARCHAR(100),
39     Rental_Price DECIMAL(10, 2),
40     Status VARCHAR(10),
41     Author VARCHAR(255),
42     Publisher VARCHAR(255)
43 );
44
45 • INSERT INTO Books (ISBN, Book_title, Category, Rental_Price, Status, Author, Publisher)
46 VALUES
47 ('1234567890', 'To Kill a Mockingbird', 'Fiction', 20.00, 'yes', 'Harper Lee', 'Penguin Books'),
48 ('2345678901', '1984', 'Dystopian', 25.00, 'yes', 'George Orwell', 'Penguin Books'),
49 ('3456789012', 'The Great Gatsby', 'Classic', 30.00, 'no', 'F. Scott Fitzgerald', 'Scribner'),
50 ('4567890123', 'The Catcher in the Rye', 'Young Adult', 20.00, 'yes', 'J.D. Salinger', 'Little, Brown and Company'),
51 ('5678901234', 'The Hitchhiker's Guide to the Galaxy', 'Science Fiction', 25.00, 'yes', 'Douglas Adams', 'Pan Books');
52
53
54
55
56
57

```

Output

Action Output

#	Time	Action	Message
✓ 10	21:29:41	CREATE TABLE Books (ISBN VARCHAR(20) PRIMARY KEY, Book_title VARCHAR(255), Catego...	0 row(s) affected
✓ 11	21:29:48	INSERT INTO Books (ISBN, Book_title, Category, Rental_Price, Status, Author, Publisher) VALUES ('1...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0

The screenshot shows a SQL IDE interface with multiple tabs at the top: "SQL_ASSIGNMENT_9", "SQL File 3*", "SQL_ASSIGNMENT_10", "SQL File 5*", "SQL File 6*", and "SQL Ad...". The active tab is "SQL File 6*", which contains a query editor with the following SQL code:

```
110
111
112
113 • SELECT Category, COUNT(*) AS Total_Books
114 FROM Books
115 GROUP BY Category;
```

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

Category	Total_Books
Classic	1
Dystopian	1
Fiction	1
Science Fiction	1
Young Adult	1

At the bottom of the interface is an "Output" pane. It shows a list of actions and their results:

#	Time	Action	Message
21	21:39:49	SELECT B.Book_title, C.Customer_name FROM Books B JOIN IssueStatus I ON B.ISBN = I.Isbn_boo...	0 row(s) returned
22	21:40:06	SELECT Category, COUNT(*) AS Total_Books FROM Books GROUP BY Category LIMIT 0, 500	5 row(s) returned

SQL_ASSIGNMENT_9 SQL File 3* SQL_ASSIGNMENT_10 SQL File 5* SQL File 6* x

| | | | | | | | Limit to 500 rows | | | | |

```
120 WHERE Salary > 50000;  
121  
122  
123  
124 • SELECT Customer_name  
125 FROM Customer  
126 WHERE Reg_date < '2022-01-01'  
127 AND Customer_Id NOT IN (SELECT Issued_cust FROM IssueStatus);  
128  
129  
130  
131
```

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

	Customer_name
--	---------------







Customer 7 x

Output





Action Output ▾

	#	Time	Action	Message
✓	23	21:40:35	SELECT Emp_name, Position FROM Employee WHERE Salary > 50000 LIMIT 0, 500	1 row(s) returned
✓	24	21:40:59	SELECT Customer_name FROM Customer WHERE Reg_date < '2022-01-01' AND Customer_Id NOT...	0 row(s) returned

SQL_ASSIGNMENT_9 SQL File 3* SQL_ASSIGNMENT_10 SQL File 5* SQL File 6* x

        Limit to 500 rows     


```
126 WHERE Reg_date < '2022-01-01'
127 AND Customer_Id NOT IN (SELECT Issued_cust FROM IssueStatus);
128
129
130
131 • SELECT B.Branch_no, COUNT(*) AS Total_Employees
132 FROM Branch B
133 JOIN Employee E ON B.Branch_no = E.Branch_no
134 GROUP BY B.Branch_no;
135
136
137
```

Result Grid   Filter Rows: Export:  Wrap Cell Content: 

	Branch_no	Total_Employees
▶	1	2
	2	2
	3	1

Result 8 x  Rea

Output

 Action Output 

	#	Time	Action	Message
✓	24	21:40:59	SELECT Customer_name FROM Customer WHERE Reg_date < '2022-01-01' AND Customer_Id NOT ...	0 row(s) returned
✓	25	21:41:50	SELECT B.Branch_no, COUNT(*) AS Total_Employees FROM Branch B JOIN Employee E ON B.Bra...	3 row(s) returned

```
135
136
137
138
139 • SELECT C.Customer_name
140 FROM Customer C
141 JOIN IssueStatus I ON C.Customer_Id = I.Issued_cust
142 WHERE MONTH(I.Issue_date) = 6 AND YEAR(I.Issue_date) = 2023;
143
144
145
146
```

Customer_name

Output

#	Time	Action	Message
✓ 25	21:41:50	SELECT B.Branch_no, COUNT(*) AS Total_Employees FROM Branch B JOIN Employee E ON B.Bra...	3 row(s) returned
✓ 26	21:43:38	SELECT C.Customer_name FROM Customer C JOIN IssueStatus I ON C.Customer_Id = I.Issued_cust ...	0 row(s) returned

```
142 FROM Customer C
143 JOIN IssueStatus I ON C.Customer_Id = I.Issued_cust
144 WHERE MONTH(I.Issue_date) = 6 AND YEAR(I.Issue_date) = 2023;
145
146
147
148
149 • SELECT Book_title
150 FROM Books
151 WHERE Book_title LIKE '%HISTORY%';
152
153
```

Book_title
HISTORY

#	Time	Action	Message
✓ 31	22:01:36	INSERT INTO Books (ISBN, Book_title, Category, Rental_Price, Status, Author, Publisher) VALUES (...	1 row(s) affected
✓ 32	22:01:48	SELECT Book_title FROM Books WHERE Book_title LIKE '%HISTORY%' LIMIT 0, 500	1 row(s) returned

SQL_ASSIGNMENT_9 SQL File 3* SQL_ASSIGNMENT_10 SQL File 5* SQL File 6* x

Limit to 500 rows

```

148
149 • SELECT Book_title
150 FROM Books
151 WHERE Book_title LIKE '%HISTORY%';
152
153
154 • SELECT B.Branch_no, COUNT(*) AS Total_Employees
155 FROM Branch B
156 JOIN Employee E ON B.Branch_no = E.Branch_no
157 GROUP BY B.Branch_no
158 HAVING COUNT(*) > 5;

```

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

Branch_no	Total_Employees

Result 15 x Read Only

Output

Action Output


#	Time	Action	Message
✓ 32	22:01:48	SELECT Book_title FROM Books WHERE Book_title LIKE '%HISTORY%' LIMIT 0, 500	1 row(s) returned
✓ 33	22:02:06	SELECT B.Branch_no, COUNT(*) AS Total_Employees FROM Branch B JOIN Employee E ON B.Branch_no = E.Branch_no GROUP BY B.Branch_no HAVING COUNT(*) > 5;	0 row(s) returned

```
157 GROUP BY B.Branch_no
158 HAVING COUNT(*) > 5;
159
160 • SELECT E.Emp_name, B.Branch_address
161 FROM Employee E
162 JOIN Branch B ON E.Emp_Id = B.Manager_Id;
163
164
165
166
167
```





	Emp_name	Branch_address
▶	John Smith	123 KK STREET, Coimbatore
	Jane Doe	456 MG ROAD, Bangalore
	Bob Johnson	789 NSR ROAD, Chennai

	#	Time	Action	Message
✓	33	22:02:06	SELECT B.Branch_no, COUNT(*) AS Total_Employees FROM Branch B JOIN Employee E ON B.Bra...	0 row(s) returned
✓	34	22:02:42	SELECT E.Emp_name, B.Branch_address FROM Employee E JOIN Branch B ON E.Emp_Id = B.Man...	3 row(s) returned


SQL_ASSIGNMENT_9 SQL File 3* SQL_ASSIGNMENT_10 SQL File 5* SQL File 6* x

 Limit to 500 rows

```
159
160 • SELECT E.Emp_name, B.Branch_address
161 FROM Employee E
162 JOIN Branch B ON E.Emp_Id = B.Manager_Id;
163
164
165 • SELECT C.Customer_name
166 FROM Customer C
167 JOIN IssueStatus I ON C.Customer_Id = I.Issued_cust
168 JOIN Books B ON I.Isbn_book = B.ISBN
169 WHERE B.Rental_Price > 25;
```

Result Grid   Filter Rows: Export:  Wrap Cell Content: 

		Customer_name
--	--	---------------

Result 17 x  Read Only

Output

Action Output

#	Time	Action	Message
✓ 34	22:02:42	SELECT E.Emp_name, B.Branch_address FROM Employee E JOIN Branch B ON E.Emp_Id = B.Man...	3 row(s) returned
✓ 35	22:13:27	SELECT C.Customer_name FROM Customer C JOIN IssueStatus I ON C.Customer_Id = I.Issued_cust ...	0 row(s) returned