

LIBRARY MANAGEMENT SYSTEM

Create a database named library and following TABLES in the database:

1. Branch
2. Employee
3. Books
- 4.. Customer
5. IssueStatus
6. ReturnStatus

The screenshot shows the MySQL Workbench interface with the following details:

SQL Editor:

```
76
77 •   SELECT * FROM BRANCH;
78 •   SELECT * FROM EMPLOYEE;
79 •   SELECT * FROM BOOKS;
80 •   SELECT * FROM CUSTOMER;
81 •   SELECT * FROM ISSUESTATUS;
```

Result Grid:

BRANCH_NO	MANAGER_ID	BRANCH_ADDRESS	CONTACT_NO
1	101	TOWN A	5512434
2	102	TOWN B	5935678
3	103	TOWN C	7379012
4	104	TOWN D	8363456
5	105	TOWN E	6578490
•	NULL	NULL	NULL

Output:

Action Output

#	Time	Action	Message
27	20:10:48	SELECT * FROM BRANCH;	2 row(s) returned
28	20:10:58	SELECT * FROM EMPLOYEE;	3 row(s) returned
29	20:12:05	SELECT * FROM BOOKS;	0 row(s) returned
30	20:18:41	SELECT * FROM CUSTOMER;	5 row(s) returned
31	20:18:41	SELECT * FROM ISSUESTATUS;	5 row(s) returned

The screenshot shows the MySQL Workbench interface with the following details:

SQL Editor:

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77 •   SELECT * FROM BRANCH;
78 •   SELECT * FROM EMPLOYEE;
79 •   SELECT * FROM BOOKS;
80 •   SELECT * FROM CUSTOMER;
81 •   SELECT * FROM ISSUESTATUS;
```

Result Grid:

EMP_ID	EMP_NAME	POSITION	SALARY	BRANCH_NO
101	JOHN	MANAGER	50000.00	1
102	PETER	EXECUTIVE	40000.00	2
103	EMILY	HRM	30000.00	1
104	SARA	ACCOUNTANT	35000.00	3
105	ROBBY	ADMINISTRATOR	32000.00	2
•	NULL	NULL	NULL	NULL

Output:

Action Output

#	Time	Action	Message
28	20:10:58	SELECT * FROM EMPLOYEE;	3 row(s) returned
29	20:12:05	SELECT * FROM BOOKS;	0 row(s) returned
30	20:18:41	SELECT * FROM CUSTOMER;	5 row(s) returned
31	20:18:56	SELECT * FROM ISSUESTATUS;	5 row(s) returned

LIBRARY MANAGEMENT SYS

```

76
77 • SELECT * FROM BRANCH;
78 • SELECT * FROM EMPLOYEE; I
79 • SELECT * FROM BOOKS; I
80 • SELECT * FROM CUSTOMER;
81 • SELECT * FROM ISSUESTATUS;

```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: I

ISBN	BOOK_TITLE	CATEGORY	RENTAL_PRICE	STATUS	AUTHOR	PUBLISHER
140	TILL YOUR LAST BREATH	FICTION	10.00	YES	DURJOY DATTA	PENGUIN
141	HUNGER GAMES	ADVENTURE	12.00	NO	SUZZANE COLLINS	SCHOLASTIC
142	HARRY POTTER	FANTASY	11.00	YES	JK ROWLING	BLOOMSBURY
143	TELL ME YOUR DREAMS	MYSTERY	9.00	NO	SYDNEY SHELDON	WILLIAM MORROW
144	THE DAVINCI CODE	MYSTERY	18.00	YES	DAN BROWN	ANCHOR
NULL	NULL	NULL	NULL	NULL	NULL	NULL

BOOKS 29 X

Output

Action Output

#	Time	Action	Message
29	20:12:05	SELECT CUSTOMER_NAME FROM CUSTOMER WHERE REG_DATE < 2024-0...	0 row(s) returned
30	20:18:41	SELECT * FROM BRANCH LIMIT 0, 1000	5 row(s) returned
31	20:18:56	SELECT * FROM EMPLOYEE LIMIT 0, 1000	5 row(s) returned

LIBRARY MANAGEMENT SYS

```

76
77 • SELECT * FROM BRANCH;
78 • SELECT * FROM EMPLOYEE; I
79 • SELECT * FROM BOOKS; I
80 • SELECT * FROM CUSTOMER;
81 • SELECT * FROM ISSUESTATUS;

```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: I

CUSTOMER_ID	CUSTOMER_NAME	CUSTOMER_ADDRESS	REG_DATE
201	ALICE	CITY A	2023-01-15
202	SMITH	CITY B	2023-02-20
203	LILLY	CITY C	2023-03-10
204	DAVIS	CITY D	2023-04-05
205	EDWARD	CITY E	2023-05-12
NULL	NULL	NULL	NULL

CUSTOMER 30 X

Output

Action Output

#	Time	Action	Message
30	20:18:41	SELECT * FROM BRANCH LIMIT 0, 1000	5 row(s) returned
31	20:18:56	SELECT * FROM EMPLOYEE LIMIT 0, 1000	5 row(s) returned
32	20:19:02	SELECT * FROM BOOKS LIMIT 0, 1000	5 row(s) returned
33	20:19:08	SELECT * FROM CUSTOMER LIMIT 0, 1000	5 row(s) returned

LIBRARY MANAGEMENT SYS

```

76
77 •   SELECT * FROM BRANCH;
78 •   SELECT * FROM EMPLOYEE;
79 •   SELECT * FROM BOOKS;
80 •   SELECT * FROM CUSTOMER;
81 •   SELECT * FROM ISSUESTATUS;

```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

ISSUE_ID	ISSUED_CUST	ISSUED_BOOK_NAME	ISSUE_DATE	ISBN_BOOK
1	201	HARRY POTTER	2024-03-22	141
2	202	EMMA	2024-05-21	140
3	203	LITTLE WOMAN	2024-04-20	144
4	204	PRIDE AND PREJUDICE	2024-06-19	142
5	205	ALICE IN WONDERLAND	2024-07-18	143
•	NULL	NULL	NULL	NULL

ISSUESTATUS 31

Output

Action Output

#	Time	Action	Message
31	20:18:56	SELECT * FROM EMPLOYEE LIMIT 0, 1000	5 row(s) returned
32	20:19:02	SELECT * FROM BOOKS LIMIT 0, 1000	5 row(s) returned
33	20:19:08	SELECT * FROM CUSTOMER LIMIT 0, 1000	5 row(s) returned
34	20:19:13	SELECT * FROM ISSUESTATUS LIMIT 0, 1000	5 row(s) returned

LIBRARY MANAGEMENT SYS

```

77 •   SELECT * FROM BRANCH;
78 •   SELECT * FROM EMPLOYEE;
79 •   SELECT * FROM BOOKS;
80 •   SELECT * FROM CUSTOMER;
81 •   SELECT * FROM ISSUESTATUS;
82 •   SELECT * FROM RETURNSTATUS;

```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

RETURN_ID	RETURN_CUST	RETURN_BOOK_NAME	RETURN_DATE	ISBN_BOOK2
1	201	TILL YOUR LAST BREATH	2024-07-25	140
2	202	HUNGER GAMES	2024-07-24	141
3	203	HARRY POTTER	2024-07-23	142
4	204	TELL ME YOUR DREAMS	2024-07-22	143
5	205	THE DAVINCI CODE	2024-07-21	144
•	NULL	NULL	NULL	NULL

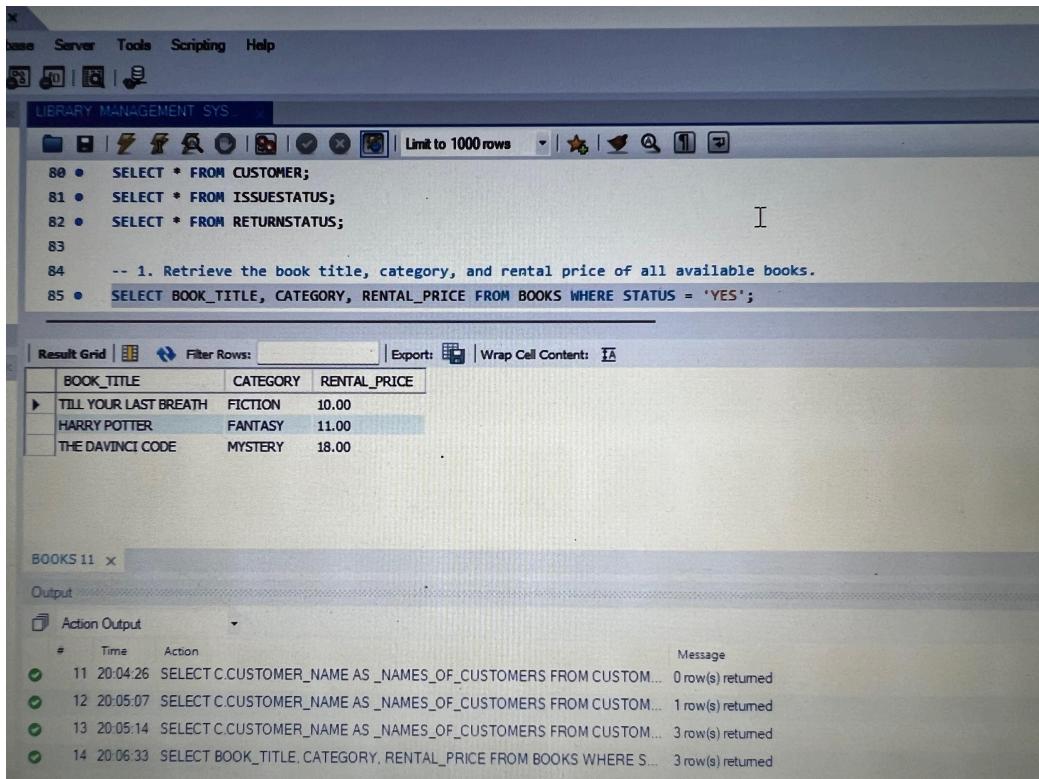
RETURNSTATUS 32

Output

Action Output

#	Time	Action	Message
32	20:19:02	SELECT * FROM BOOKS LIMIT 0, 1000	5 row(s) returned
33	20:19:08	SELECT * FROM CUSTOMER LIMIT 0, 1000	5 row(s) returned
34	20:19:13	SELECT * FROM ISSUESTATUS LIMIT 0, 1000	5 row(s) returned
35	20:19:23	SELECT * FROM RETURNSTATUS LIMIT 0, 1000	5 row(s) returned

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



The screenshot shows the Oracle SQL Developer interface. The top window displays the following SQL code:

```

80 •  SELECT * FROM CUSTOMER;
81 •  SELECT * FROM ISSUESTATUS;
82 •  SELECT * FROM RETURNSTATUS;
83
84 -- 1. Retrieve the book title, category, and rental price of all available books.
85 •  SELECT BOOK_TITLE, CATEGORY, RENTAL_PRICE FROM BOOKS WHERE STATUS = 'YES';

```

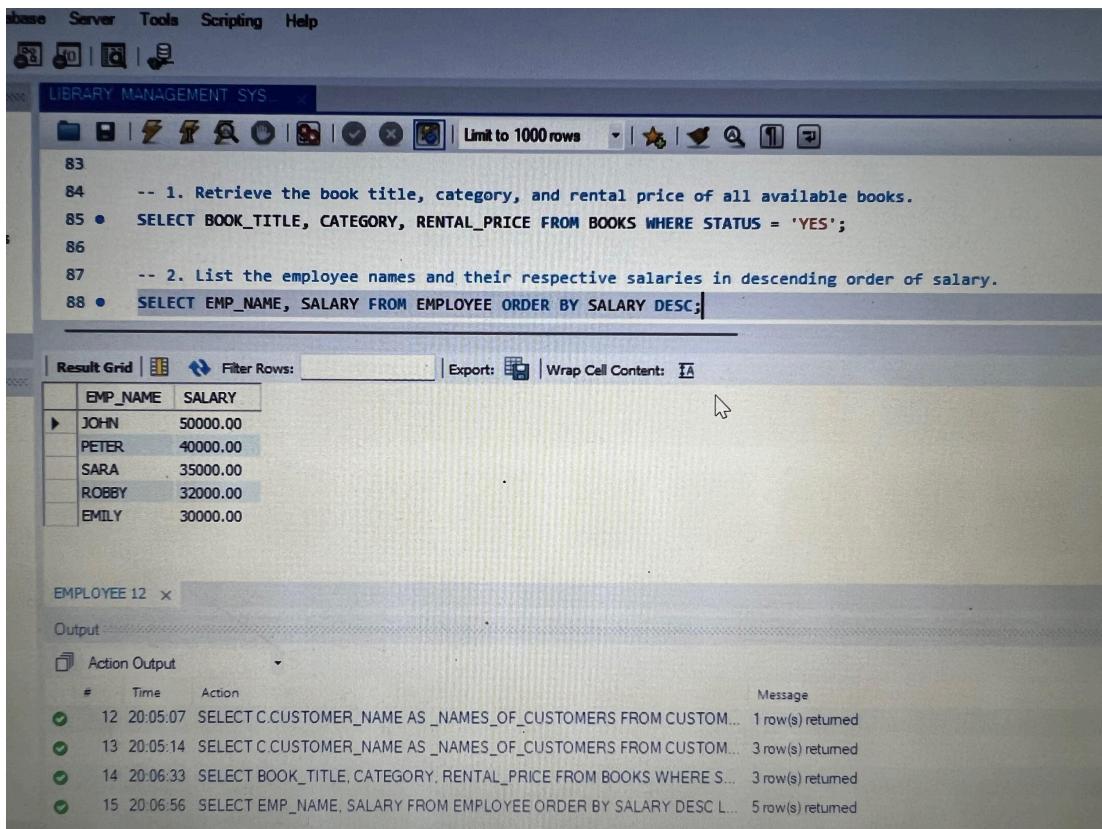
The Result Grid shows the following data:

BOOK_TITLE	CATEGORY	RENTAL_PRICE
TILL YOUR LAST BREATH	FICTION	10.00
HARRY POTTER	FANTASY	11.00
THE DAVINCI CODE	MYSTERY	18.00

The bottom window, titled 'BOOKS 11', shows the Action Output log:

#	Time	Action	Message
11	20:04:26	SELECT C.CUSTOMER_NAME AS _NAMES_OF_CUSTOMERS FROM CUSTOMER C;	0 row(s) returned
12	20:05:07	SELECT C.CUSTOMER_NAME AS _NAMES_OF_CUSTOMERS FROM CUSTOMER C;	1 row(s) returned
13	20:05:14	SELECT C.CUSTOMER_NAME AS _NAMES_OF_CUSTOMERS FROM CUSTOMER C;	3 row(s) returned
14	20:06:33	SELECT BOOK_TITLE, CATEGORY, RENTAL_PRICE FROM BOOKS WHERE STATUS = 'YES';	3 row(s) returned

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



The screenshot shows the Oracle SQL Developer interface. The top window displays the following SQL code:

```

83
84 -- 1. Retrieve the book title, category, and rental price of all available books.
85 •  SELECT BOOK_TITLE, CATEGORY, RENTAL_PRICE FROM BOOKS WHERE STATUS = 'YES';
86
87 -- 2. List the employee names and their respective salaries in descending order of salary.
88 •  SELECT EMP_NAME, SALARY FROM EMPLOYEE ORDER BY SALARY DESC;

```

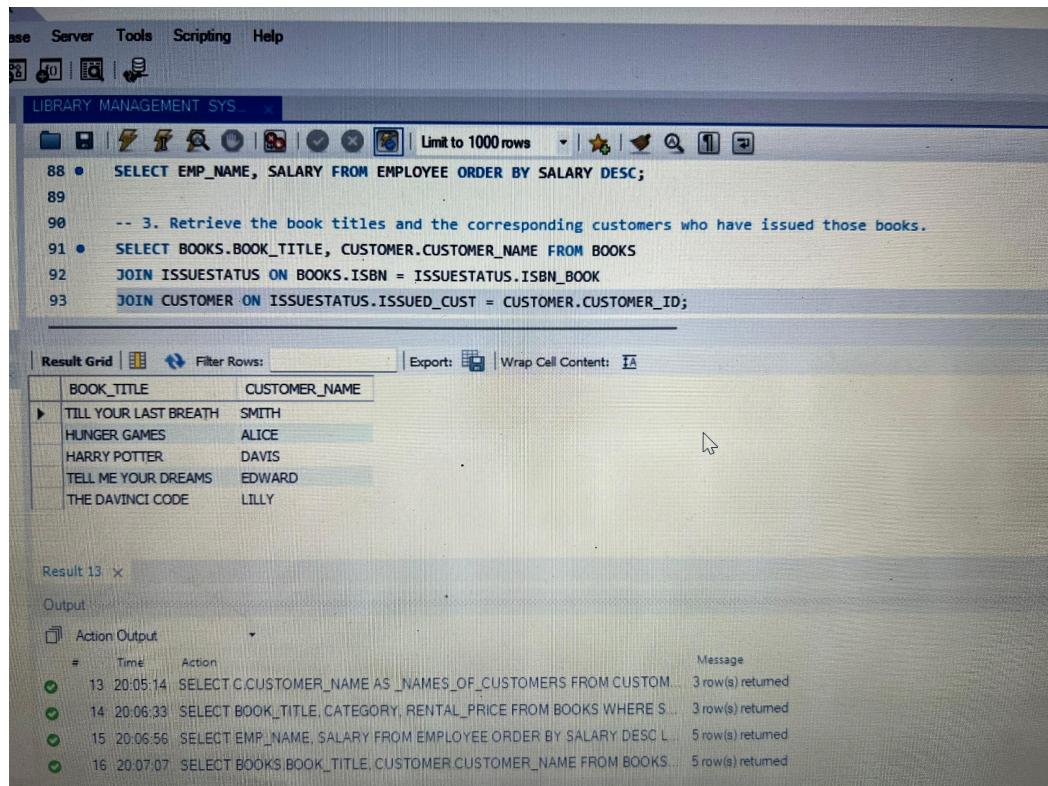
The Result Grid shows the following data:

EMP_NAME	SALARY
JOHN	50000.00
PETER	40000.00
SARA	35000.00
ROBBY	32000.00
EMILY	30000.00

The bottom window, titled 'EMPLOYEE 12', shows the Action Output log:

#	Time	Action	Message
12	20:05:07	SELECT C.CUSTOMER_NAME AS _NAMES_OF_CUSTOMERS FROM CUSTOMER C;	1 row(s) returned
13	20:05:14	SELECT C.CUSTOMER_NAME AS _NAMES_OF_CUSTOMERS FROM CUSTOMER C;	3 row(s) returned
14	20:06:33	SELECT BOOK_TITLE, CATEGORY, RENTAL_PRICE FROM BOOKS WHERE STATUS = 'YES';	3 row(s) returned
15	20:06:56	SELECT EMP_NAME, SALARY FROM EMPLOYEE ORDER BY SALARY DESC;	5 row(s) returned

3. Retrieve the book titles and the corresponding customers who have issued those books.



The screenshot shows the Oracle SQL Developer interface with the following details:

- SQL Editor:** Contains the following SQL code:

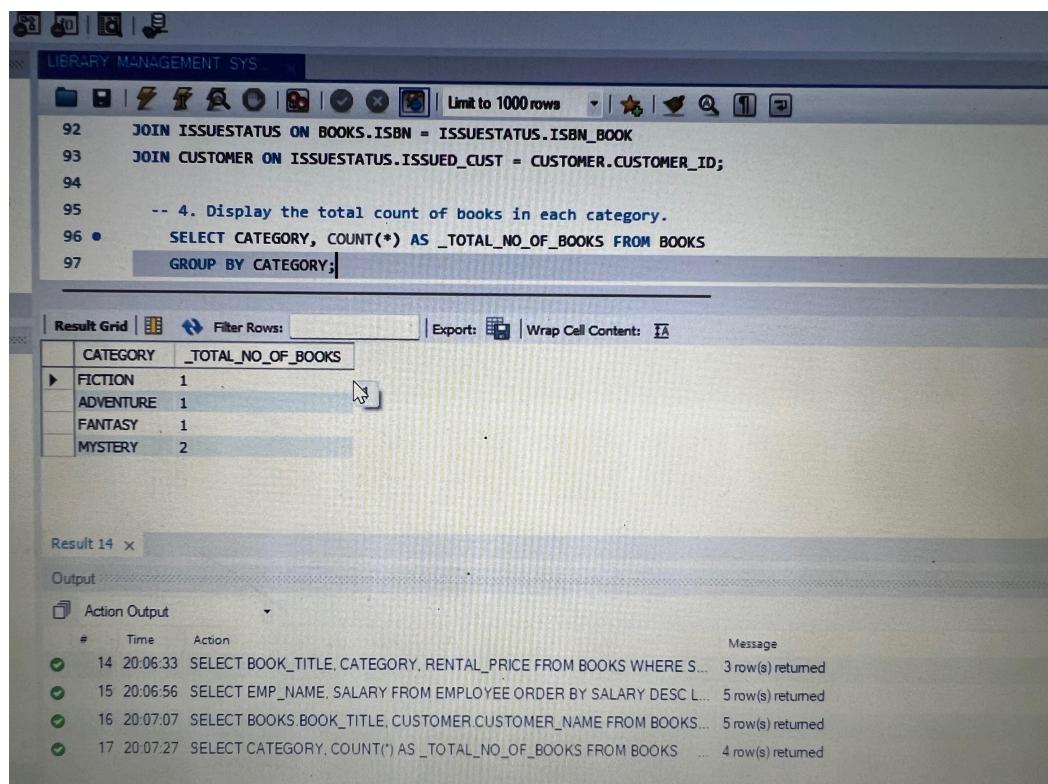

```

88 •  SELECT EMP_NAME, SALARY FROM EMPLOYEE ORDER BY SALARY DESC;
89
90 -- 3. Retrieve the book titles and the corresponding customers who have issued those books.
91 •  SELECT BOOKS.BOOK_TITLE, CUSTOMER.CUSTOMER_NAME FROM BOOKS
92 JOIN ISSUESTATUS ON BOOKS.ISBN = ISSUESTATUS.ISBN_BOOK
93 JOIN CUSTOMER ON ISSUESTATUS.ISSUED_CUST = CUSTOMER.CUSTOMER_ID;
      
```
- Result Grid:** Displays the results of the query in a table format:

BOOK_TITLE	CUSTOMER_NAME
TILL YOUR LAST BREATH	SMITH
HUNGER GAMES	ALICE
HARRY POTTER	DAVIS
TELL ME YOUR DREAMS	EDWARD
THE DAVINCI CODE	LILLY
- Action Output:** Shows the history of actions taken:

#	Time	Action	Message
13	20:05:14	SELECT C.CUSTOMER_NAME AS _NAMES_OF_CUSTOMERS FROM CUSTOMER C;	3 row(s) returned
14	20:06:33	SELECT BOOK_TITLE, CATEGORY, RENTAL_PRICE FROM BOOKS WHERE S...	3 row(s) returned
15	20:06:56	SELECT EMP_NAME, SALARY FROM EMPLOYEE ORDER BY SALARY DESC L...	5 row(s) returned
16	20:07:07	SELECT BOOKS.BOOK_TITLE, CUSTOMER.CUSTOMER_NAME FROM BOOKS...	5 row(s) returned

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



The screenshot shows the Oracle SQL Developer interface with the following details:

- SQL Editor:** Contains the following SQL code:


```

92 JOIN ISSUESTATUS ON BOOKS.ISBN = ISSUESTATUS.ISBN_BOOK
93 JOIN CUSTOMER ON ISSUESTATUS.ISSUED_CUST = CUSTOMER.CUSTOMER_ID;
94
95 -- 4. Display the total count of books in each category.
96 •  SELECT CATEGORY, COUNT(*) AS _TOTAL_NO_OF_BOOKS FROM BOOKS
97 GROUP BY CATEGORY;
      
```
- Result Grid:** Displays the results of the query in a table format:

CATEGORY	_TOTAL_NO_OF_BOOKS
FICTION	1
ADVENTURE	1
FANTASY	1
MYSTERY	2
- Action Output:** Shows the history of actions taken:

#	Time	Action	Message
14	20:06:33	SELECT BOOK_TITLE, CATEGORY, RENTAL_PRICE FROM BOOKS WHERE S...	3 row(s) returned
15	20:06:56	SELECT EMP_NAME, SALARY FROM EMPLOYEE ORDER BY SALARY DESC L...	5 row(s) returned
16	20:07:07	SELECT BOOKS.BOOK_TITLE, CUSTOMER.CUSTOMER_NAME FROM BOOKS...	5 row(s) returned
17	20:07:27	SELECT CATEGORY, COUNT(*) AS _TOTAL_NO_OF_BOOKS FROM BOOKS ...	4 row(s) returned

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

The screenshot shows the Oracle SQL Developer interface. The code editor contains the following SQL query:

```
98
99      -- 5. Retrieve the employee names and their positions for the employees whose salaries are above Rs.50,000.
100 •    SELECT EMP_NAME, POSITION FROM EMPLOYEE WHERE SALARY > 50000;
101      -- (NO EMPLOYEES ABOVE 50K)
102 •    SELECT EMP_NAME, POSITION FROM EMPLOYEE WHERE SALARY < 50000;  [ ]
103
```

The results grid displays the following data:

EMP_NAME	POSITION
PETER	EXECUTIVE
EMILY	HRM
SARA	ACCOUNTANT
ROBBY	ADMINISTRATOR

The output pane shows the history of actions taken:

#	Time	Action	Message
15	20:06:56	SELECT EMP_NAME, SALARY FROM EMPLOYEE ORDER BY SALARY DESC L...	5 row(s) returned
16	20:07:07	SELECT BOOKS.BOOK_TITLE, CUSTOMER.CUSTOMER_NAME FROM BOOKS...	5 row(s) returned
17	20:07:27	SELECT CATEGORY.COUNT() AS _TOTAL_NO_OF_BOOKS FROM BOOKS ...	4 row(s) returned
18	20:07:39	SELECT EMP_NAME, POSITION FROM EMPLOYEE WHERE SALARY < 50000 ...	4 row(s) returned

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

The screenshot shows the Oracle SQL Developer interface. The code editor contains the following SQL query:

```
101      -- (NO EMPLOYEES ABOVE 50K)
102 •    SELECT EMP_NAME, POSITION FROM EMPLOYEE WHERE SALARY < 50000;
103
104      -- 6. List the customer names who registered before 2022-01-01 and have not issued any books yet
105 •    SELECT CUSTOMER_NAME FROM CUSTOMER WHERE REG_DATE < 2022-01-01 AND
106      CUSTOMER_ID NOT IN (SELECT ISSUED_CUST FROM ISSUESTATUS);
```

The results grid displays the following data:

CUSTOMER_NAME

The output pane shows the history of actions taken:

#	Time	Action	Message
16	20:07:07	SELECT BOOKS.BOOK_TITLE, CUSTOMER.CUSTOMER_NAME FROM BOOKS...	5 row(s) returned
17	20:07:27	SELECT CATEGORY.COUNT() AS _TOTAL_NO_OF_BOOKS FROM BOOKS ...	4 row(s) returned
18	20:07:39	SELECT EMP_NAME, POSITION FROM EMPLOYEE WHERE SALARY < 50000 ...	4 row(s) returned
19	20:07:51	SELECT CUSTOMER_NAME FROM CUSTOMER WHERE REG_DATE < 2022-01-01 ...	0 row(s) returned

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

The screenshot shows the MySQL Workbench interface with a query editor and results grid. The query is:

```
105 •     SELECT CUSTOMER_NAME FROM CUSTOMER WHERE REG_DATE < 2022-01-01 AND
106     CUSTOMER_ID NOT IN (SELECT ISSUED_CUST FROM ISSUESTATUS);
107
108 -- 7. Display the branch numbers and the total count of employees in each branch.
109 •     SELECT B.BRANCH_NO , COUNT(E.EMP_ID) AS TOTAL_EMPLOYEES FROM BRANCH B
110     LEFT JOIN EMPLOYEE E ON B.BRANCH_NO = E.BRANCH_NO GROUP BY B.BRANCH_NO;
```

The results grid shows:

BRANCH_NO	TOTAL_EMPLOYEES
1	2
2	2
3	1
4	0
5	0

The output pane shows the following log entries:

#	Time	Action	Message
18	20:07:39	SELECT EMP_NAME, POSITION FROM EMPLOYEE WHERE SALARY < 50000...	4 row(s) returned
19	20:07:51	SELECT CUSTOMER_NAME FROM CUSTOMER WHERE REG_DATE < 2022-0...	0 row(s) returned
20	20:08:22	SELECT CUSTOMER_NAME FROM CUSTOMER WHERE REG_DATE > 2022-01...	0 row(s) returned
21	20:08:43	SELECT B.BRANCH_NO , COUNT(E.EMP_ID) AS TOTAL_EMPLOYEES FROM B...	5 row(s) returned

8. Display the names of customers who have issued books in the month of June 2024

The screenshot shows the MySQL Workbench interface with a query editor and results grid. The query is:

```
109 •     SELECT B.BRANCH_NO , COUNT(E.EMP_ID) AS TOTAL_EMPLOYEES FROM BRANCH B
110     LEFT JOIN EMPLOYEE E ON B.BRANCH_NO = E.BRANCH_NO GROUP BY B.BRANCH_NO;
111
112 -- Display the names of customers who have issued books in the month of June 2024
113 •     SELECT C.CUSTOMER_NAME FROM CUSTOMER C JOIN ISSUESTATUS I ON CUSTOMER_ID = I.ISSUED_CUST
114     WHERE YEAR(I.ISSUE_DATE) = 2024 AND MONTH (I.ISSUE_DATE)= 6;
```

The results grid shows:

CUSTOMER_NAME
DAVIS

The output pane shows the following log entries:

#	Time	Action	Message
19	20:07:51	SELECT CUSTOMER_NAME FROM CUSTOMER WHERE REG_DATE < 2022-0...	0 row(s) returned
20	20:08:22	SELECT CUSTOMER_NAME FROM CUSTOMER WHERE REG_DATE > 2022-01...	0 row(s) returned
21	20:08:43	SELECT B.BRANCH_NO , COUNT(E.EMP_ID) AS TOTAL_EMPLOYEES FROM B...	5 row(s) returned
22	20:09:03	SELECT C.CUSTOMER_NAME FROM CUSTOMER C JOIN ISSUESTATUS I ON ...	1 row(s) returned

9. Retrieve book_title from book table containing history.

The screenshot shows a SQL query window titled "LIBRARY MANAGEMENT SYS...". The query is:

```
113 •     SELECT C.CUSTOMER_NAME FROM CUSTOMER C JOIN ISSUESTATUS I ON CUSTOMER_ID = I.ISSUED_CUST  
114     WHERE YEAR(I.ISSUE_DATE) = 2024 AND MONTH (I.ISSUE_DATE)= 6;  
115  
116     -- 9. Retrieve book_title from book table containing history.  
117 •     SELECT BOOK_TITLE FROM BOOKS WHERE CATEGORY.= 'HISTORY';  
118 •     SELECT BOOK_TITLE FROM BOOKS WHERE CATEGORY = 'MYSTERY';
```

The result grid shows two rows of data:

BOOK_TITLE
TELL ME YOUR DREAMS
THE DAVINCI CODE

Below the query window, there is a "BOOKS 20" window showing the following output:

Action Output
Time Action Message 20 20:08:22 SELECT CUSTOMER_NAME FROM CUSTOMER WHERE REG_DATE >2022-01... 0 row(s) returned
21 20:08:43 SELECT B.BRANCH_NO , COUNT(E.EMP_ID) AS TOTAL_EMPLOYEES FROM B... 5 row(s) returned
22 20:09:03 SELECT C.CUSTOMER_NAME FROM CUSTOMER C JOIN ISSUESTATUS I ON ... 1 row(s) returned
23 20:09:16 SELECT BOOK_TITLE FROM BOOKS WHERE CATEGORY = 'MYSTERY' LIMIT ... 2 row(s) returned

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

The screenshot shows a SQL query window titled "LIBRARY MANAGEMENT SYS...". The query is:

```
119  
120     -- 10. Retrieve the branch numbers along with the count of employees for branches having more than 5 employees  
121 •     SELECT BRANCH.BRANCH_NO , COUNT(EMPLOYEE.EMP_ID) AS TOTAL_EMPLOYEES FROM BRANCH  
122     LEFT JOIN EMPLOYEE ON BRANCH.BRANCH_NO = EMPLOYEE.BRANCH_NO GROUP BY BRANCH_NO  
123     HAVING COUNT(EMPLOYEE.EMP_ID) >5; |
```

The result grid shows two rows of data:

BRANCH_NO	TOTAL_EMPLOYEES

Below the query window, there is a "Result 21" window showing the following output:

Action Output
Time Action Message 21 20:08:43 SELECT B.BRANCH_NO , COUNT(E.EMP_ID) AS TOTAL_EMPLOYEES FROM B... 5 row(s) returned
22 20:09:03 SELECT C.CUSTOMER_NAME FROM CUSTOMER C JOIN ISSUESTATUS I ON ... 1 row(s) returned
23 20:09:16 SELECT BOOK_TITLE FROM BOOKS WHERE CATEGORY = 'MYSTERY' LIMIT ... 2 row(s) returned
24 20:09:30 SELECT BRANCH.BRANCH_NO , COUNT(EMPLOYEE.EMP_ID) AS TOTAL_EMP... 0 row(s) returned

Retrieve the branch numbers along with the count of employees for branches having more than 1 employee

The screenshot shows a SQL query being run in SQL Server Management Studio. The query retrieves branch numbers and the count of employees for branches with more than one employee. The results show two branches, both with 2 employees.

```
119
120      -- 10. Retrieve the branch numbers along with the count of employees for branches having more than 1 employee
121 •      SELECT BRANCH.BRANCH_NO, COUNT(EMPLOYEE.EMP_ID) AS TOTAL_EMPLOYEES FROM BRANCH
122      LEFT JOIN EMPLOYEE ON BRANCH.BRANCH_NO = EMPLOYEE.BRANCH_NO GROUP BY BRANCH_NO
123      HAVING COUNT(EMPLOYEE.EMP_ID) > 1;
124
```

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

BRANCH_NO	TOTAL_EMPLOYEES
1	2
2	2

Result 23 x

Output

Action Output

#	Time	Action	Message
23	20:09:16	SELECT BOOK_TITLE FROM BOOKS WHERE CATEGORY = 'MYSTERY' LIMIT ...	2 row(s) returned
24	20:09:30	SELECT BRANCH.BRANCH_NO, COUNT(EMPLOYEE.EMP_ID) AS TOTAL_EMP... 0 row(s) returned	
25	20:09:57	SELECT BRANCH.BRANCH_NO, COUNT(EMPLOYEE.EMP_ID) AS TOTAL_EMP... 0 row(s) returned	
26	20:10:03	SELECT BRANCH.BRANCH_NO, COUNT(EMPLOYEE.EMP_ID) AS TOTAL_EMP... 2 row(s) returned	

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

The screenshot shows a SQL query being run in SQL Server Management Studio. The query retrieves the names of employees who manage branches and their respective branch addresses. The results show two employees, John and Peter, managing branches in Town A and Town B respectively.

```
125
126
127      -- 11. Retrieve the names of employees who manage branches and their respective branch addresses.
128 •      SELECT EMPLOYEE.EMP_NAME AS NAME_OF_EMPLOYEES, BRANCH.BRANCH_ADDRESS FROM EMPLOYEE
129      JOIN BRANCH ON EMPLOYEE.BRANCH_NO = BRANCH.BRANCH_NO
130      WHERE EMPLOYEE.EMP_ID = BRANCH.MANAGER_ID GROUP BY EMP_ID;
```

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

NAME_OF_EMPLOYEES	BRANCH_ADDRESS
JOHN	TOWN A
PETER	TOWN B

Result 24 x

Output

Action Output

#	Time	Action	Message
24	20:09:30	SELECT BRANCH.BRANCH_NO, COUNT(EMPLOYEE.EMP_ID) AS TOTAL_EMP... 0 row(s) returned	
25	20:09:57	SELECT BRANCH.BRANCH_NO, COUNT(EMPLOYEE.EMP_ID) AS TOTAL_EMP... 0 row(s) returned	
26	20:10:03	SELECT BRANCH.BRANCH_NO, COUNT(EMPLOYEE.EMP_ID) AS TOTAL_EMP... 2 row(s) returned	

12. Display the names of customers who have issued books with a rental price higher than Rs. 10

The screenshot shows the Oracle SQL Developer interface. The top window displays the following SQL code:

```
131
132 -- 12. Display the names of customers who have issued books with a rental price higher than Rs. 10.
133 • SELECT C.CUSTOMER_NAME AS _NAMES_OF_CUSTOMERS FROM CUSTOMER C
134 JOIN ISSUESTATUS I ON C.CUSTOMER_ID=I.ISSUED_CUST
135 JOIN BOOKS B ON I.ISBN_BOOK = B.ISBN
136 WHERE B.RENTAL_PRICE >10;
```

The result grid shows the output:

_NAMES_OF_CUSTOMERS
ALICE
DAVIS
LILY

The bottom window, titled "Result 25", shows the action history:

#	Time	Action	Message
25	20:09:57	SELECT BRANCH.BRANCH_NO, COUNT(EMPLOYEE.EMP_ID) AS TOTAL_EMP...	0 row(s) returned
26	20:10:03	SELECT BRANCH.BRANCH_NO, COUNT(EMPLOYEE.EMP_ID) AS TOTAL_EMP...	2 row(s) returned
27	20:10:48	SELECT EMPLOYEE.EMP_NAME AS NAME_OF_EMPLOYEES, BRANCH.BRAN...	2 row(s) returned
28	20:10:58	SELECT C.CUSTOMER_NAME AS _NAMES_OF_CUSTOMERS FROM CUSTOM...	3 row(s) returned