

Write SQLQuery to retrieve the following information 1

Problem # 1:

Write a query to display the member id, member name and membership status who are all having life time membership. Hint: Life time membership status is "Active".

Ans:

```
SQL> select m.member_id, s.name, m.status from member m join student s on m.student_id = s.student_id where m.status = 'active';
```

MEMBER_ID	NAME	STATUS
104	Ankit	active
105	Aditya	active
106	Nisha	active
107	Nishi	active
108	Nishi	active
109	Nishi	active
101	Amit	active

7 rows selected.

Problem # 2:

Write a query to display the member id, member name who have not returned the books. Hint: Book return status is book_issue_status = 'completed' or 'pending' or 'canceled'.

Ans:

```
SQL> select b.member_id, s.name, b.status from book_issue b join member m join student s on m.student_id = s.student_id on b.member_id = m.member_id where b.status='PENDING';
```

MEMBER_ID	NAME	STATUS
101	Amit	PENDING

Problem # 3:

Write a query to display the member id, member name who have taken the book with book code 'B1101'.

Ans:

```
SQL> select b.member_id, s.name from book_issue b join member m join student s on m.student_id = s.student_id on b.member_id = m.member_id where b.BOOK_id='B1101';
```

MEMBER_ID	NAME
102	Amita
107	Nishi
101	Amit
103	Ankita

Problem # 4:

Write a query to display the book code, book title and author of the books whose author name begins with 'H'

Ans:

```
SQL> select b.book_id, b.title, a.name from book b join book_author ba join author a on ba.author_id = a.author_id on b.book_id = ba.book_id where a.name like 'H%';
```

BOOK_ID	TITLE	NAME
B1104	Relational DBMS	H.Schild

Problem # 5:

Write a query to display the total number of books by each author available in library with alias name 'NO_OF_BOOKS'.

Ans:

```
SQL> select ba.author_id, count(b.book_id) as NO_OF_BOOKS from book b join book_author ba on b.book_id = ba.book_id where b.status='Available' group by (author_id);
```

AUTHOR_ID	NO_OF_BOOKS
1	2
2	1
4	2
3	1

Problem # 6:

Write a query to display the number of books published by "dcbooks" with the alias name "NO_OF_BOOKS".

Ans:

```
SQL> select p.name, count(b.publisher_id) as NO_OF_BOOKS from book b join publisher p on b.publisher_id = p.publisher_id where p.name like 'dcbooks' group by (p.name);
```

NAME	NO_OF_BOOKS
dcbooks	5

Problem # 7:

Write a query to display the book code, book title of the books which are issued on the date "08-Mar-2022".

Ans:

```
SQL> select b.book_id, b.title from book b join book_issue bi on b.book_id = bi.book_id where bi.date_of_issue='08-Mar-2022';
```

BOOK_ID	TITLE
B1101	Let Us C++

Problem # 8:

Write a query to display the member id, member name, date of registration and expiry date of the members whose membership expiry date is before APR 2021.

Ans:

```
SQL> select m.member_id, s.name, m.date_of_join, m.date_of_expiry from member m join student s on m.student_id = s.student_id where m.date_of_expiry < '01-Apr-2021';
```

MEMBER_ID	NAME	DATE_OF_J	DATE_OF_E
102	Amita	09-JAN-16	09-JAN-20
103	Ankita	08-FEB-16	08-FEB-20

Problem # 9:

write a query to display the member id, member name, date of registration, membership status of the members who registered before "March 2021" and membership status is "closed"

Ans:

```
SQL> select m.member_id, s.name, m.date_of_join, m.status from member m join student s on m.student_id = s.student_id where m.date_of_expiry < '01-Mar-2021' AND m.status='closed';
```

MEMBER_ID	NAME	DATE_OF_J	STATUS
103	Ankita	08-FEB-16	closed

Problem # 10:

Write a query to concatenate book title, author and display in the following format.

Book_Title_is_written_by_Author

Example: Let Us C_is_written_by_Yashavant Kanetkar

Hint: display unique books. Use "BOOK_WRITTEN_BY" as alias name.

Ans:

```
SQL> select distinct(b.title)||'_is_written_by_'||a.name as BOOK_WRITTEN_BY from book b
join book_author ba join author a on ba.author_id = a.author_id on b.book_id = ba.book
_id;

BOOK_WRITTEN_BY
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Intoduction To Algoritham_is_written_by_Cormen
Mastersing VC++_is_written_by_P.J Allen
JAVA Complete Reference_is_written_by_B.C. Desai
Relational DBMS_is_written_by_H.Schild
Let Us C++_is_written_by_Yashavant Kanetkar
Introduction to O/S_is_written_by_Millan
Let Us C_is_written_by_Yashavant Kanetkar
J2EE Complete Reference_is_written_by_B.C. Desai
Computer Networks_is_written_by_Tanenbaum

9 rows selected.
```