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".

```
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            Activate Windows
                                                   Go to Settings to activate Windows.
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.

```
SQL> SELECT b.member_id, s.name FROM book_issue b JOIN member m JOIN student s ON s.stu
dent_id=m.student_id ON b.member_id=m.member_id WHERE b.status='PENDING';

 MEMBER_ID NAME
---------- -------------------
       101 Amit
```

Problem # 3:

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

'B1101'.

```
SQL> SELECT b.member_id, s.name FROM book_issue b JOIN member m JOIN student s ON s.stu
dent_id=m.student_id ON b.member_id=m.member_id WHERE b.book_id='B1101';

 MEMBER_ID NAME
---------- -------------------
       102 Amita
       101 Amit
       107 Nishi
       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'

```
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'.

```
SQL> SELECT ba.author_id, count(b.book_id) AS NO_OF_BOOKS FROM book b JOIN book_author
ba on ba.book_id=b.book_id WHERE b.status='Available' GROUP BY ba.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".

```
SQL> SELECT p.name, count(b.publisher_id) AS NO_OF_BOOKS FROM book b JOIN publisher p O
N 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".

```
SQL> SELECT b.book_id, b.title FROM book b JOIN book_issue bi ON b.book_id=bi.Book_id W
HERE 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.

```
SQL> SELECT m.member_id, s.name, m.date_of_join, m.date_of_expiry FROM member m JOIN st
udent s ON m.student_id=s.student_id WHERE m.date_of_expiry<'1-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"

```
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_join<'1-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.

```
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 ba.book_id=b.book_id;


BOOK_WRITTEN_BY
--------------------------------------------------------------
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.
```