1. select category,count(book_no) from BOOKS1 group by category;
2. select book_no,count(lib_issue_id) from issue2 group by book_no order by count(LIB_ISSUE_ID) desc;
3. SELECTmax(penalty_amount),min(penalty_amount),sum(penalty_amount), avg(penalty_amount) from MEMBER1
4. select member_id,count(book_no) from issue2 having count(book_no)>2 group by member_id;
5. select member_id,book_no,count(book_no) from issue2 group by member_id,book_no order by count(book_no) desc ;
6. select to_char(issue_date,'Month'),count(to_char(issue_date,'Month')) from issue2 group by to_char(issue_date,'Month') order by to_char(issue_date,'Month') desc;
7. select book_no from books1 b where b.book_no not in (select book_no from issue)
8. select member_id from member1 where member_id in (select member_id from issue2)
9. select member_id ,count(*) from issue2 having count(*)=(select min(count(*)) from issue2 group by member_id) or count(*)=(select max(count(*)) from issue2 group by member_id) group by member_id
10. select * from issue2 where to_char(issue_date,'Mon') in('Dec','Jul')
11. select i.book_no,b.book_name,i.issue_date from issue2 i,books1 b where to_char(i.issue_date,'Mon') in('Dec') and i.book_no=b.book_no and b.category='Database';
12. select i.member_id,m.member_name,count(i.book_no) from issue2 i,member1 m where i.member_id=m.member_id group by i.member_id,m.member_name order by count(i.book_no) desc;
13. select b.book_no,b.book_name,i.issue_date ,i.Return_Date from books1 b,issue2 i,member1 m where b.book_no=i.book_no and i.member_id=m.member_id and m.member_name='Richa Sharma';
14. select m.member_id,m.MEMBER_NAME,m.MEMBER_ADDRESS,m.ACC_OPEN_DATE, m.MEMBERSHIP_TYPE,m.FEES_PAID,m.MAX_BOOKS_ALLOWED,m.PENALTY_AMOUNT
    from member1 m,issue2 i,books1 b where b.category='Database' and b.book_no=i.book_no and i.member_id=m.member_id
15. select * from books1 b where cost=(select max(cost) from books1 s where s.category=b.category);
16. select i.lib_issue_id,i.book_no,i.member_id,i.issue_date,i.Return_Date from issue2 i,member1 m where m.member_id=i.member_id and i.issue_date not between m.ACC_OPEN_DATE and i.Return_Date;
17. select m.member_id,m.member_name from member1 m where member_id not in (select member_id from issue2);

18. select i.member_id from member1 m,issue2 i where m.member_id=i.member_id having count(i.member_id)>m.MAX_BOOKS_ALLOWED group by i.member_id,m.MAX_BOOKS_ALLOWED ;
19. select member_id from issue2 where book_no in(select i.book_no from issue2 i,member1 m where m.member_id=i.member_id and m.member_name='Garima Sen') and member_id !=(select member_id from member1 where member_name='Garima Sen')
20. select distinct b.book_name,b.cost from books1 b,issue2 i where i.book_no=b.book_no and Return_Date>issue_date+30;
21. select b.book_name , b.author_name from books1 b,BOOKS1 s where b.author_name=s.author_name having count(s.author_name)>1 group by b.book_name , b.author_name;
22. select distinct m.member_id,m.member_name from member1 m,issue2 i where i.member_id=m.member_id and i.member_id in (select member_id from issue2 having count(*)=(select min(count(*)) from issue2 group by member_id) or count(*)=(select max(count(*)) from issue2 group by member_id) group by member_id)
23. select * from books1 where cost in (select cost from (select distinct cost from books1 order by cost desc) where rownum<=3);
24. select sum(b.cost) from books1 b,issue2 i where i.book_no=b.book_no and i.Return_Date is null;
25. select b.* from books1 b,issue2 i where i.book_no=b.book_no having count(*)=(select max(count(*)) from books1 group by book_no) group by b.Book_No, b.Book_Name, b.Author_name, b.Cost, b.Category;
26. select count(*) from issue2 i,member1 m where m.member_id=i.member_id and m.MEMBERSHIP_TYPE='Lifetime';
27. select MEMBERSHIP_TYPE,count(*) from member1 group by MEMBERSHIP_TYPE
28. select * from (select i.member_id ,m.membership_type ,count(i.book_no) from issue2 i,member1 m where m.member_id=i.member_id group by i.member_id,m.membership_type) where rownum<=5;
29. SELECT Member_Id, Member_Name, Membership_Type, issue_count
    FROM (
      SELECT m.Member_Id,
          m.Member_Name,
          m.Membership_Type,
          COUNT(i.Book_No) AS issue_count,
          RANK() OVER (PARTITION BY m.Membership_Type
                ORDER BY COUNT(i.Book_No) DESC) AS rnk
      FROM MEMBER1 m
      JOIN ISSUE i ON m.Member_Id = i.Member_Id
      GROUP BY m.Member_Id, m.Member_Name, m.Membership_Type

```
)
WHERE rnk <= 3
ORDER BY Membership_Type, issue_count DESC;
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30. select * from (select * from member1 order by ACC_OPEN_DATE) where rownum<=5 ;
31. select m.member_id,m.membership_type,i.ISSUE_DATE from member1 m,issue2 i where m.Member_Id = i.Member_Id and issue_date between '01-Dec-2006' and '31-Dec-2006'
32. select m.* from issue2 i,member1 m where m.Member_Id = i.Member_Id and return_date is null;
33. select * from member1 where acc_open_date=(select acc_open_date from member1 where member_name='Garima Sen') and member_name!='Garima Sen'
34. select m.*,b.author_name,i.ISSUE_DATE from member1 m,issue2 i,books1 b where m.Member_Id = i.Member_Id and b.book_no=i.book_no and to_char(i.issue_date,'Mon')='Dec' and b.author_name='Loni'
35. select b.author_name,count(i.book_no) as cnt from member1 m,issue2 i,books1 b where m.Member_Id = i.Member_Id and b.book_no=i.book_no and m.membership_type='Lifetime' group by b.author_name having count(*)=(select min(cnt) from (select b.author_name,count(i.book_no) as cnt from member1 m,issue2 i,books1 b where m.Member_Id = i.Member_Id and b.book_no=i.book_no and m.membership_type='Lifetime' group by b.author_name))
36. select * from (select m.membership_type,i.book_no,b.author_name from member1 m,issue2 i ,books1 b where m.Member_Id = i.Member_Id and b.book_no=i.book_no and membership_type='Half Yearly') where rownum<=3;
37. select * from (select m.membership_type,i.book_no,b.book_name from member1 m,issue2 i ,books1 b where m.Member_Id = i.Member_Id and b.book_no=i.book_no and membership_type='Annual') where rownum<=5;
38. select m.*,b.cost,b.author_name from member1 m,issue2 i ,books1 b where m.Member_Id = i.Member_Id and b.book_no=i.book_no and b.cost>300 and b.author_name='Scott Urman'
39. select m.membership_type,b.category,count(i.book_no) from member1 m,issue2 i ,books1 b where m.Member_Id = i.Member_Id and b.book_no=i.book_no group by m.membership_type,b.category
40. select m.membership_type,m.MEMBER_ID,count(i.book_no) from member1 m,issue2 i where m.Member_Id = i.Member_Id and m.membership_type='Lifetime' and m.acc_open_date BETWEEN '01-Jan-2006' AND '31-Dec-2006' having count(i.book_no)=1 group by m.membership_type,m.MEMBER_ID