**1.** select category,count(category) "BOOK Count" from books group by category;

**2.** select book\_no,count(book\_no) "count" from issue group by book\_no order by count(book\_no) desc;

**3.** select max(penalty\_amount) "MAX",min(penalty\_amount) "MIN",avg(penalty\_amount) "AVG",sum(penalty\_amount) "TOTAL" from member;

**4.**select member\_id, count(member\_id) from issue group by member\_id having count(member\_id)>2;

**5.**

**6.**create view q6 as select to\_char(issue\_date, 'mon') as month from issue;

select month,count(month) from q6 group by month order by count(month) desc;

**8.**select a.member\_id from member a,issue b where a.member\_id = b.member\_id group by a.member\_id;

**9.**create view q4\_view as select member\_id,count(member\_id) as C from issue group by member\_id;

select member\_id,c from q4\_view where c=(select max(c) from q4\_view);

select member\_id,c from q4\_view where c=(select min(c) from q4\_view);

**10.** create view q10 as select lib\_isuue\_id,book\_no,member\_id,to\_char(issue\_date, 'mon') as month from issue;

select \* from q10 where month in ('jul', 'dec');

**11.** SELECT b.book\_name AS bname1, i.book\_no AS ibook1, i.issue\_date AS idate1

FROM books b, issue i

WHERE b.book\_no = i.book\_no AND i.issue\_date between '11-OCT-18' AND '12-OCT-18';

**12.** select member\_id,member\_name,max\_books\_allowed from member order by max\_books\_allowed desc;

**13**. select b.book\_name,b.book\_no from books b where book\_no=(select i.book\_no from issue i where member\_id = (select member\_id from member where member\_name='richa sharma' group by member\_id));

**14.** select \* from member where member\_id=(select member\_id from issue where book\_no=(select book\_no from books where category='Database') group by member\_id);

**15.** select max(cost) from books where category=(select category from books group by category having count(\*)>1);

**16.** select Distinct lib\_isuue\_id,book\_no,i.member\_id,issue\_date,return\_date from issue i,member m where i.issue\_date not between m.Acc\_open\_date AND i.return\_date;

**17.** Select \* from member where member\_id not in(select member\_id from issue);

**18.**

**19.** select member\_name from member where member\_name <>'kk' and member\_id IN(select member\_id from issue where book\_no in (select book\_no from issue where member\_id in (select member\_id from member where member\_name='kk')));

**20.** select \* from issue where return\_date not between issue\_date and (issue\_date + 30-00-00)

**21.** select book\_name,author\_name from books where author\_name in (select author\_name from books group by author\_name having count(author\_name)=2);

**22**. create view book\_count as select member\_id, count(member\_id) as count\_books from issue group by member\_id; select \* from book\_count where count\_books in ((SELECT max(count\_books) from book\_count),(SELECT min(count\_books) from book\_count));

**23.** select \* from (select \* from books order by cost desc) where rownum<4

**24.** select sum(b.cost) from books b, issue i where b.book\_no = i.book\_no AND return\_date is null;

**25.** create view max\_issue\_book as select book\_no, count(book\_no) as no\_of\_issue from issue group by book\_no having count(book\_no) = (select max(count(book\_no)) from issue group by book\_no); select m.book\_no, b.book\_name, b.author\_name, b.cost, b.category from max\_issue\_book m, books b where m.book\_no = b.book\_no;

**26.** select sum(count(member\_id)) from issue group by member\_id having member\_id in (select member\_id from member where membership\_type like 'Lifetime');

**27.** select membership\_type, count(member\_id) from member group by membership\_type

**28.** create view issue\_count as select member\_id, count(member\_id) as books\_issued from issue group by member\_id order by count(member\_id) desc; select i.member\_id, m.member\_name, m.membership\_type, i.books\_issued from issue\_count i, member m where m.member\_id = i.member\_id AND rownum<=5

**29.** create view issue\_count as select member\_id, count(member\_id) as books\_issued from issue group by member\_id order by count(member\_id) desc; select i.member\_id, m.member\_name, m.membership\_type, i.books\_issued from issue\_count i, member m where m.member\_id = i.member\_id AND rownum<=3

**30.** select member\_name from member where acc\_open\_date is not NULL and rownum<5

**31.** select member\_name, membership\_type from member where member\_id in(select member\_id from issue where issue\_date between '01-Dec-2006' and '31-Dec-2006' )

**32**. select member\_name from member where member\_id in(select member\_id from issue where return\_date>sysdate )

**33.** select member\_name from member where acc\_open\_date=(select acc\_open\_date from member where member\_name='KK' )

**34.** select distinct i.member\_id,b.author\_name from issue i, books b where b.author\_name='Loni' AND extract(month from i.issue\_date)=12;

35.

**36**. select author\_name from books where book\_no in(select book\_no from issue where member\_id in(select member\_id from member where membership\_type='Half yearly') )

**37.** select book\_name from books where book\_no in(select book\_no from issue where rownum<=5 and member\_id in(select member\_id from member where membership\_type='annual'));

**38.** select member\_name from member where member\_id in(select member\_id from issue where book\_no in(select book\_no from books where cost>600 and author\_name='GRRM'));