1.) SELECT CATEGORY , COUNT(CATEGORY) AS COUNT_CATEGORY FROM BOOKS1 GROUP BY CATEGORY;
2.) SELECT BOOK_NO ,COUNT(BOOK_NO) FROM ISSUE1 GROUP BY BOOK_NO ORDER BY COUNT(BOOK_NO) DESC;
3.) SELECT MAX(PENALTY_AMOUNT),MIN(PENALTY_AMOUNT),AVG(PENALTY_AMOUNT) FROM MEMBER1;
4.) SELECT MEMBER_ID FROM ISSUE1 GROUP BY MEMBER_ID HAVING COUNT(MEMBER_ID)>2;
5.) SELECT MEMBER_ID,BOOK_NO,COUNT(BOOK_NO) FROM ISSUE1 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')) AS COUNT FROM ISSUE1 GROUP BY TO_CHAR(ISSUE_DATE,'MONTH') ORDER BY COUNT(TO_CHAR(ISSUE_DATE,'MONTH')) DESC;
7.) SELECT BOOK_NO FROM BOOKS1 WHERE BOOK_NO NOT IN (SELECT BOOK_NO FROM ISSUE1);
8.) SELECT MEMBER_ID FROM MEMBER1 WHERE MEMBER_ID IN (SELECT MEMBER_ID FROM ISSUE1);
9.) SELECT MEMBER_ID,COUNT(MEMBER_ID) FROM ISSUE1 GROUP BY MEMBER_ID HAVING COUNT(MEMBER_ID)=(SELECT MAX(COUNT(MEMBER_ID)) FROM ISSUE1 GROUP BY MEMBER_ID) OR COUNT(MEMBER_ID)=(SELECT MIN(COUNT(MEMBER_ID)) FROM ISSUE1 GROUP BY MEMBER_ID);
10.) SELECT * FROM ISSUE1 WHERE TO_CHAR(ISSUE_DATE,'MON') IN ('DEC','JUL');
11.) SELECT B.BOOK_NO,B.BOOK_NAME,I.ISSUE_DATE FROM ISSUE1 I , BOOKS1 B WHERE B.BOOK_NO=I.BOOK_NO AND TO_CHAR(I.ISSUE_DATE,'MON') IN 'DEC' AND CATEGORY='Database';
12.) SELECT M.MEMBER_ID,M.MEMBER_NAME,COUNT(I.MEMBER_ID) FROM MEMBER1 M,ISSUE1 I WHERE I.MEMBER_ID=M.MEMBER_ID GROUP BY M.MEMBER_ID,M.MEMBER_NAME ORDER BY COUNT(I.MEMBER_ID) DESC;
13.) SELECT B.BOOK_NO,B.BOOK_NAME,I.ISSUE_DATE,I.RETURN_DATE FROM BOOKS1 B,ISSUE1 I WHERE B.AUTHOR_NAME='Richa Sharma' and B.BOOK_NO=I.BOOK_NO;
14.) SELECT M.MEMBER_ID,M.MEMBER_NAME,M.MEMBER_ADDRESS FROM MEMBER1 M ,ISSUE1 I,BOOKS1 B WHERE M.MEMBER_ID=I.MEMBER_ID AND I.BOOK_NO=B.BOOK_NO AND B.CATEGORY='Database';
15.) SELECT * FROM BOOKS1 B WHERE COST = (SELECT MAX(COST) FROM BOOKS1 WHERE CATEGORY=B.CATEGORY);
16.) SELECT I.* FROM ISSUE1 I,MEMBER1 M WHERE I.ISSUE_DATE > M.ACC_OPEN_DATE AND I.ISSUE_DATE> I.RETURN_DATE AND I.MEMBER_ID=M.MEMBER_ID;
17.) SELECT M.MEMBER_ID,M.MEMBER_NAME FROM MEMBER1 M WHERE M.MEMBER_ID NOT IN (SELECT I.MEMBER_ID FROM ISSUE1 I);

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,

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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