**SQL Assignment3**

1-select category,count(category) from books group by category;

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2-select book\_no,count(book\_no) from issue group by book\_no order by count(book\_no);

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3-select max(penalty\_amount) "Max penalty amount", min(penalty\_amount) "Min penalty amount",sum(penalty\_amount) "total of penalty amount",avg(penalty\_amount) "Average penalty amount" from member;

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4-select member\_id,max\_books\_allowed from member where max\_books\_allowed>2;

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5-select member\_id,book\_no, count(book\_no) from issue group by member\_id,book\_no order by count(book\_no) desc;

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6-select EXTRACT(MONTH FROM issue\_date), count( EXTRACT(MONTH FROM issue\_date) )from issue group by (EXTRACT(MONTH FROM issue\_date));

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7-select book\_no from books where book\_no not in(select book\_no from issue);

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8-select member\_id from member where member\_id in(select member\_id from issue);

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9-select max(count(book\_no)), min(count(book\_no)) from issue group by member\_id;

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10- select \* from issue where issue\_date in(to\_char (issue\_date, ‘Dec’));

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11- select b.book\_no, b.book\_name, i.issue\_date from books b inner join issue i on b.book\_no=i.book\_no where EXTRACT(MONTH FROM i.issue\_date)='12' and b.category='Database';

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12-select m.member\_id, m.member\_name, count(i.book\_no) from member m, issue i where m.member\_id = i.member\_id group by m.member\_id, m.member\_name, i.book\_no order by count(i.book\_no) desc ;

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13-select b.book\_no, b.book\_name, i.issue\_date, i.return\_date from books b, issue i where b.book\_no = i.book\_no and member\_id= (select member\_id from member where member\_name ='Richa Sharma') ;

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14-select \* from member m inner join issue i on m.member\_id=i.member\_id where i.book\_no in (select book\_no from books where category='Database');

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15-select book\_no from books where cost in(select max(cost) from books group by category);

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16- Not a logical question

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17- select member\_name from member where member\_id not in (select member\_id from issue);

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18-select member\_name from member where member\_id not in (select member\_id from issue having count(book\_no)>2 group by member\_id);

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19-select member\_id from issue where book\_no in (select book\_no from issue where member\_id = (select member\_id from member where member\_name= 'Garima')) ;

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20-select book\_name, cost from books where book\_no in (select book\_no from issue where (issue\_date - return\_date)>30);

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21-select author\_name, book\_name from books having count(author\_name)>1 group by author\_name, book\_name;

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22- select member\_id, member\_name from member where member\_id in((select member\_id from (select member\_id, count(book\_no) as c from issue group by member\_id order by c asc) where rownum<2),(select member\_id from (select member\_id, count(book\_no) as c from issue group by member\_id order by c desc) where rownum<2));

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

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24-select sum(cost) from books where book\_no in (select book\_no from issue where return\_date is null);

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25-select book\_no from (select book\_no from(select book\_no, count(book\_no) from issue group by book\_no order by(book\_no) desc) where rownum <2);

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26-select count(book\_no) from books where book\_no in (select book\_no from issue where member\_id in(select member\_id from member where membership\_type='Lifetime'));

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27-select membership\_type, count(member\_id) from member group by membership\_type;

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28- select member\_id, membership\_type from members where member\_id in ( select TOP 5 member\_id from issue group by member\_id order by count (book\_no));

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29- select top 3 member\_id, membership\_type from members where member\_id in ( select TOP member\_id from issue group by member\_id order by count (book\_no)) group by membership\_type;

30-select \* from (select \* from member order by acc\_open\_date) where rownum<6;

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31- select m.member\_id, m.membership\_type from member m inner join issue i on m.member\_id= i.member\_id where (extract (month from i.issue\_date))='12';

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32-select \* from issue where return\_date is null;

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33-select member\_id, member\_name from member where acc\_open\_date=(select acc\_open\_date from member where member\_name='Garima');

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34-select member\_id from issue where book\_no in (select book\_no from books where author\_name= 'Loni') and extract (month from issue\_date)='12';

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35- 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= 'Lifetime')) ;

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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')) ;

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37-select book\_no from issue where member\_id in (select member\_id from member where membership\_type ='Annual');

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38- select m.member\_id, m.member\_name from member m inner join issue i on m.member\_id = i.member\_id where i.book\_no in (select book\_no from books where cost>300 and author\_name= 'Scott Urman');

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39- select membership\_type, (select count (i. book\_no), b.category from issue i join books b on i.book\_no= b.book\_no group by b.category) from members group by membership\_type;

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40-select member\_name from member where membership\_type='Lifetime' and (extract (year from acc\_open\_date) in (2007)) and (member\_id in(select member\_id from issue group by member\_id having count(book\_no)=1));