1- select cu\_name from customers where cu\_id in (select cu\_id from bookings group by cu\_id having count(distinct ca\_id)=(select count(ca\_id) from cars));

2- select cu\_id,ca\_id from Bookings where ca\_id in (select ca\_id from cars where ca\_model='Suzuki, Mehran');

3- select ca\_id,count(ca\_id) from bookings where ca\_id in (select ca\_id from cars where color='red') group by ca\_id ;

4- select cu\_name from customers where cu\_id in (select distinct cu\_id from bookings where ca\_id in (select ca\_id from cars where color='red') minus

select distinct cu\_id from bookings where ca\_id in (select ca\_id from cars where color='green')) ;

5- select cu\_name from customers where cu\_id in (select distinct cu\_id from bookings where cu\_id not in (select distinct cu\_id from bookings where ca\_id in (select ca\_id from cars where color='red'))) ;

6- select day from ( select day,rownum as rn from (select day from bookings order by day desc)) where rn=2;

7- select ca\_model,count(b.ca\_id) from bookings b,cars ca where b.ca\_id=ca.ca\_id group by ca.ca\_model ;

8- select \* from (select to\_char(day,'MONTH'),count(to\_char(day,'MONTH')) as counted from bookings group by to\_char(day,'MONTH') order by counted desc) where rownum<2;

9-

10-select s\_name from student where s\_num in ( select s\_num from enrolled where c\_name!='IR');

11-select \* from customers where age = (select min(age) from customers);

12- select c.cu\_id,c.cu\_name,b.ca\_id as booking from customers c left outer join bookings b on(c.cu\_id=b.cu\_id);

13- delete from cars where ca\_model = 'Suzuki, Mehran';

14- insert into Customers(cu\_id,cu\_name,cu\_fname,age) values(29,'Shahid','Afridi', '29');

insert into Bookings(cu\_id,ca\_id,day) values(29,103,TO\_DATE('12-AUG-1998', 'DD-MON-YYYY'));

15- create table customer\_free as (select \* from customers where cu\_id not in ( select cu\_id from bookings));

16- select cu\_id,age,cu\_name from customers where cu\_id not in ( select cu\_id from bookings) and age >20 and cu\_name like '%mm%';

17- select f\_name from faculty where f\_id in (select f\_id from class where room='R-11');

18- select count(s\_num) from student where dept\_id in (select dept\_id from department where dname='CS');

19- select s\_num,s\_name from student where s\_num in

( select s\_num from enrolled where c\_name in(select c\_name from class where f\_id in(select f\_id from faculty where f\_name='Muhammad Rafi')));

20- select s\_num,s\_name from student where s\_num in ( select s\_num from enrolled where c\_name in(select c\_name from class where f\_id not in(select f\_id from faculty where f\_name='Muhammad Rafi')));

21- select d.dname,count(s.s\_num) from student s,department d where s.dept\_id = d.dept\_id group by d.dname order by count(s.s\_num) desc;

22- select f\_name from class c,faculty f where c.f\_id=f.f\_id group by f\_name having count(c\_name)>1;

23- select s\_name from student where s\_num in ( select s\_num from enrolled where c\_name!='IR');

24- select count(s\_num) from student where dept\_id in ( select dept\_id from department where dname='CS' and location='Lahore');

25- select f.f\_id,f.f\_name,c.c\_name,count(e.s\_num) from faculty f,class c,enrolled e where f.f\_id=c.f\_id and c.c\_name=e.c\_name group by f.f\_name,c.c\_name,f.f\_id ;

26- select location,count(s\_num) from student s,department d where s.dept\_id=d.dept\_id group by location;