```sql
create database airlines_1bm21cs176;
use airlines_1bm21cs176;

create table flight(
        flno int,
    _from varchar(20),
    _to varchar(20),
    distance int,
    departs time,
    arrives time,
    price int
);
insert into flight values
(1,'Bengaluru','New Delhi',500,'6:00','9:00',5000),
(2,'Bengaluru','Chennai',300,'7:00','8:30',3000),
(3,'Trivandrum','New Delhi',800,'8:00','11:30',6000),
(4,'Bengaluru','Frankfurt',10000,'6:00','23:30',50000),
(5,'Kolkata','New Delhi',2400,'11:00','3:30',9000),
(6,'Bengaluru','Frankfurt',8000,'9:00','23:00',40000);

create table aircraft(
        aid int,
        aname varchar(20),
        cruisingRange int,
    primary key(aid)
);
insert into aircraft values
(1,'Airbus',2000),
(2,'Boeing',700),
(3,'JetAirways',550),
(4,'Indigo',5000),
(5,'Boeing',4500),
(6,'Airbus',2200);

create table employees(
        eid int,
        ename varchar(40),
        salary int,
        primary key(eid)
);
insert into employees values
(101,'Avinash',50000),
(102,'Lokesh',60000),
(103,'Rakesh',70000),
```

```sql
(104,'Santhosh',82000),
(105,'Tilak',5000);

create table certified(
        eid int,
        aid int,
        primary key(eid,aid),
        foreign key(eid) references employees(eid),
        foreign key(aid) references aircraft(aid)
);
insert into certified values
(101,2),
(101,4),
(101,5),
(101,6),
(102,1),
(102,3),
(102,5),
(103,2),
(103,3),
(103,5),
(103,6),
(104,6),
(104,1),
(104,3),
(105,3);

#todo1
select a.aname from aircraft a, employees e, certified c
where e.eid = c.eid and a.aid = c.aid and e.salary  > 80000;
```
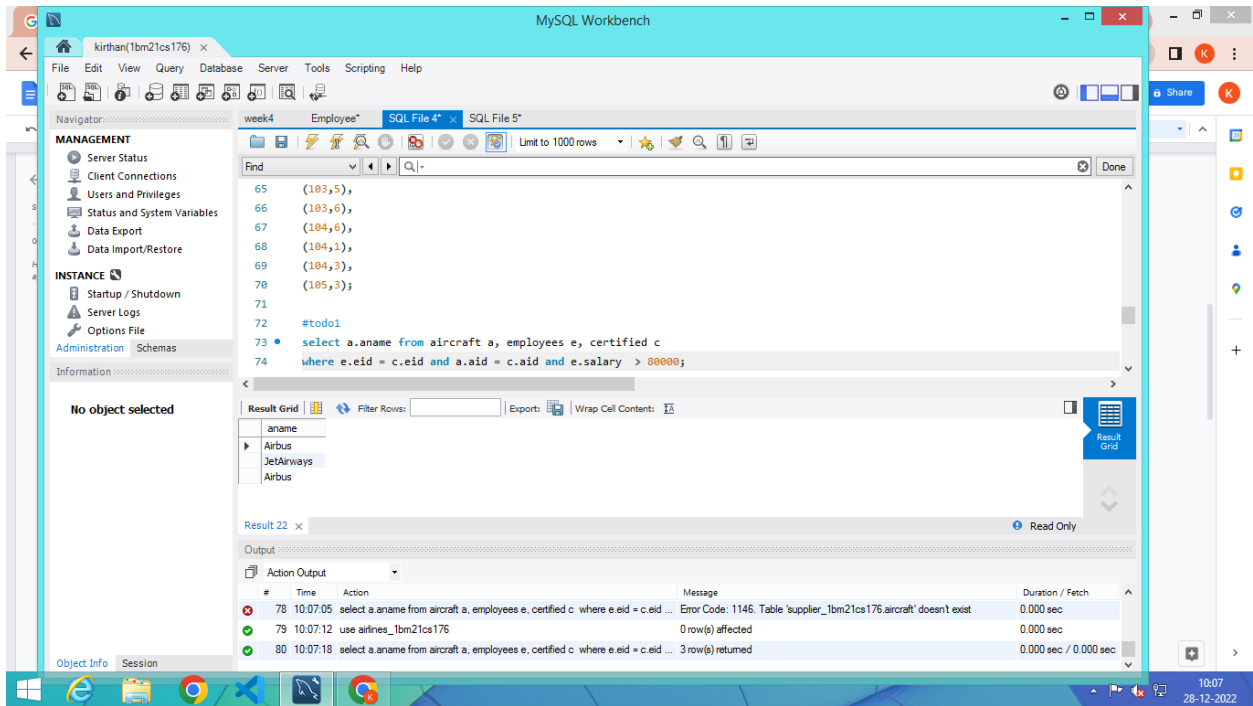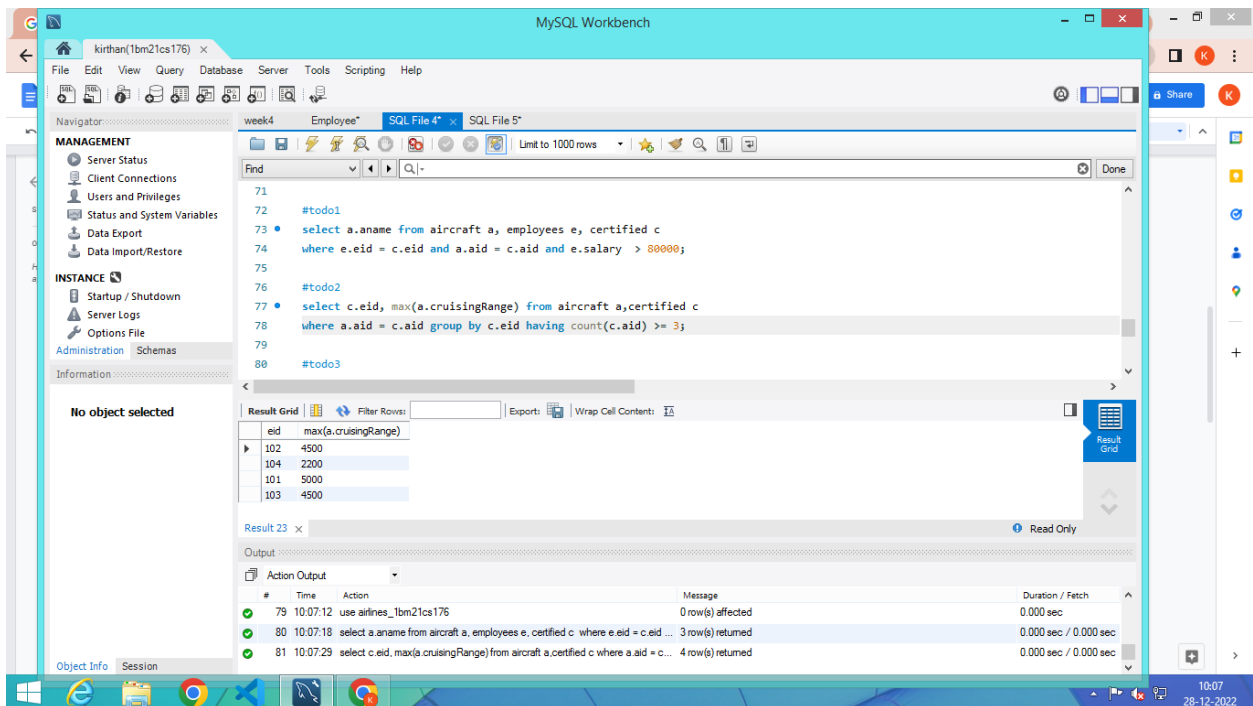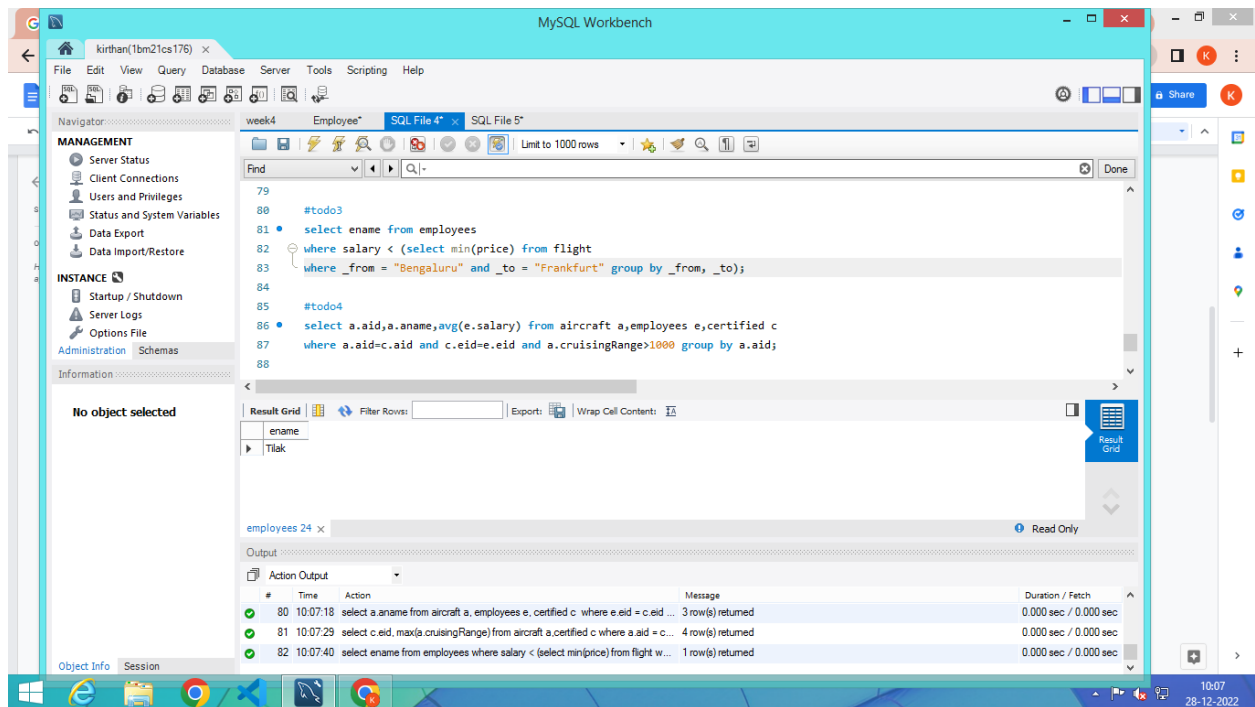
#todo2
select c.eid, max(a.cruisingRange) from aircraft a,certified c
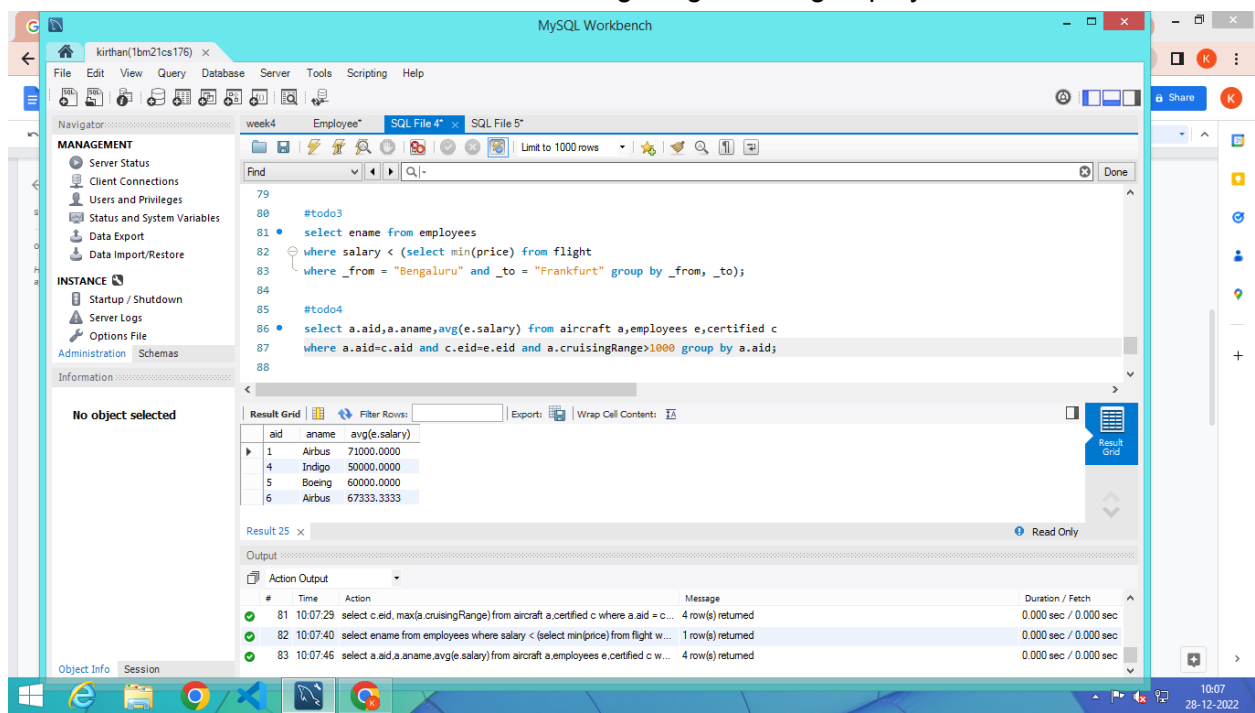where a.aid = c.aid group by c.eid having count(c.aid) >= 3;

#todo3
select ename from employees

where salary < (select min(price) from flight
where _from = "Bengaluru" and _to = "Frankfurt" group by _from, _to);
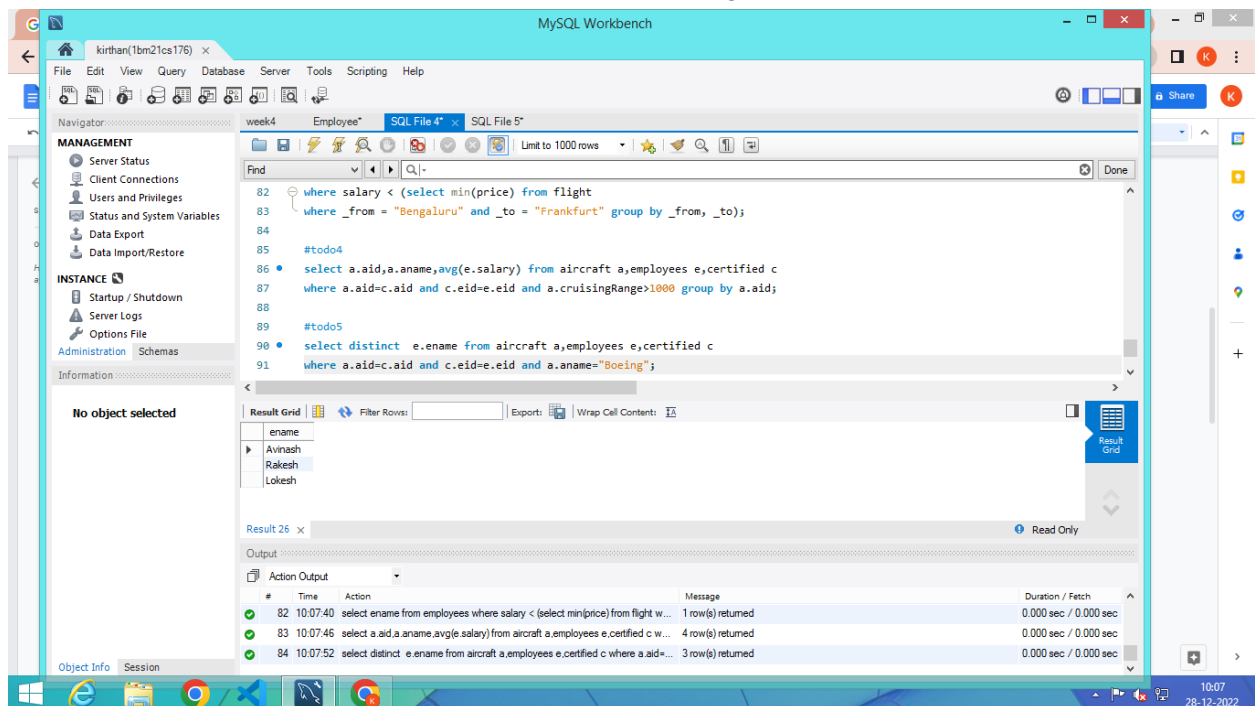

#todo4
select a.aid,a.aname,avg(e.salary) from aircraft a,employees e,certified c
where a.aid=c.aid and c.eid=e.eid and a.cruisingRange>1000 group by a.aid;

#todo5
select distinct e.ename from aircraft a,employees e,certified c
where a.aid=c.aid and c.eid=e.eid and a.aname="Boeing";

#todo6
select aid from aircraft
where cruisingRange >= (select distance from flight where _from = "Bengaluru" and _to = "New Delhi");

kirthan(1bm21cs176)

File Edit View Query Database Server Tools Scripting Help

week4   Employee*   SQL File 4*   SQL File 5*

Find   Done

```
86  ●  select a.aid,a.aname,avg(e.salary) from aircraft a,employees e,certified c
87     where a.aid=c.aid and c.eid=e.eid and a.cruisingRange>1000 group by a.aid;
88
89     #todo5
90  ●  select distinct  e.ename from aircraft a,employees e,certified c
91     where a.aid=c.aid and c.eid=e.eid and a.aname="Boeing";
92
93     #todo6
94  ●  select aid from aircraft
95     where cruisingRange >= (select distance from flight where _from = "Bengaluru" and _to = "New Delhi");
```

Result Grid   Filter Rows: Edit: Export/Import: Wrap Cell Content:

aid
1
2
3
4
5

aircraft 27   Apply   Revert

Output

Action Output

#	Time	Action	Message	Duration / Fetch
83	10:07:46	select a.aid,a.aname,avg(e.salary) from aircraft a,employees e,certified c w...	4 row(s) returned	0.000 sec / 0.000 sec
84	10:07:52	select distinct e.ename from aircraft a,employees e,certified c where a.aid=...	3 row(s) returned	0.000 sec / 0.000 sec
85	10:08:00	select aid from aircraft where cruisingRange >= (select distance from flight ...	6 row(s) returned	0.000 sec / 0.000 sec