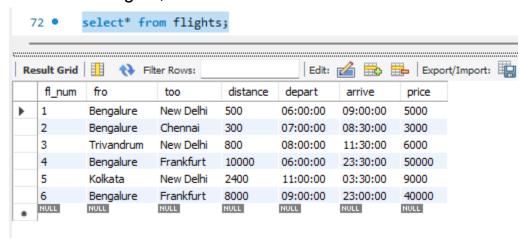
# WEEK 8

```
create database airline 040;
use airline 040;
create table flights(
fl_num int primary key,
fro varchar(30),
too varchar(30),
distance int,
depart time,
arrive time,
price int
);
create table aircraft(
aid int primary key,
aname varchar(30),
c_range int
);
create table employee(
eid int primary key,
ename varchar(20),
salary int
);
create table certified(
eid int,
aid int,
foreign key(eid) references employee(eid),
foreign key(aid) references aircraft(aid)
);
```

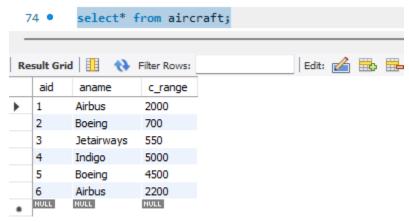
```
insert into flights values (1,'Bengalure','New Delhi',500,'6:00','9:00',5000);
insert into flights values (2, 'Bengalure', 'Chennai', 300, '7:00', '8:30', 3000);
insert into flights values (3,'Trivandrum','New Delhi',800,'8:00','11:30',6000);
insert into flights values
(4, 'Bengalure', 'Frankfurt', 10000, '6:00', '23:30', 50000);
insert into flights values (5, 'Kolkata', 'New Delhi', 2400, '11:00', '3:30', 9000);
insert into flights values (6, 'Bengalure', 'Frankfurt', 8000, '9:00', '23:00', 40000);
insert into aircraft values (1,'Airbus',2000);
insert into aircraft values (2, 'Boeing', 700);
insert into aircraft values (3,'Jetairways',550);
insert into aircraft values (4,'Indigo',5000);
insert into aircraft values (5, 'Boeing', 4500);
insert into aircraft values (6,'Airbus',2200);
insert into employee values (101,'Avinash',50000);
insert into employee values (102,'Lokesh',60000);
insert into employee values (103, 'Rakesh', 70000);
insert into employee values (104, 'Santhosh', 82000);
insert into employee values (105, 'Tilak', 5000);
insert into certified values (101,2);
insert into certified values (101,4);
insert into certified values (101,5);
insert into certified values (101,6);
insert into certified values (102,1);
insert into certified values (102,3);
insert into certified values (102,5);
insert into certified values (103,2);
insert into certified values (103,3);
insert into certified values (103,5);
```

insert into certified values (103,6); insert into certified values (104,6); insert into certified values (104,1); insert into certified values (104,3); insert into certified values (105,3);

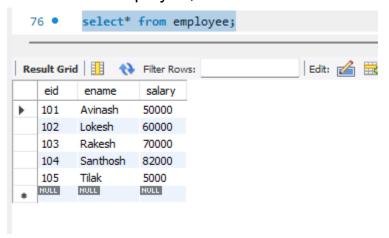
### select\* from flights;



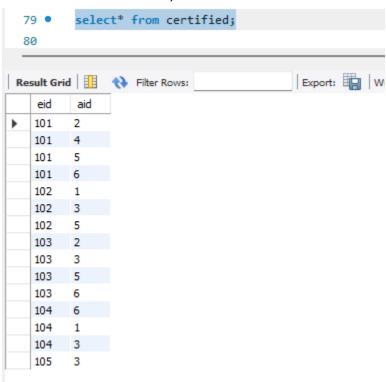
#### select\* from aircraft;



# select\* from employee;

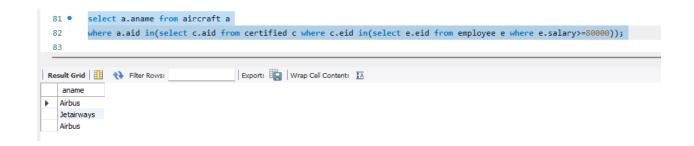


## select\* from certified;

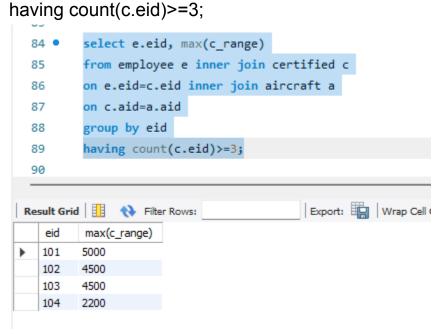


#### TO DO

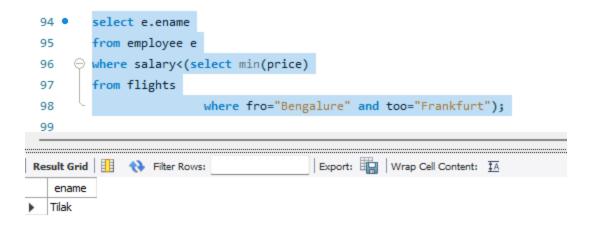
1)select a.aname from aircraft a where a.aid in(select c.aid from certified c where c.eid in(select e.eid from employee e where e.salary>=80000));



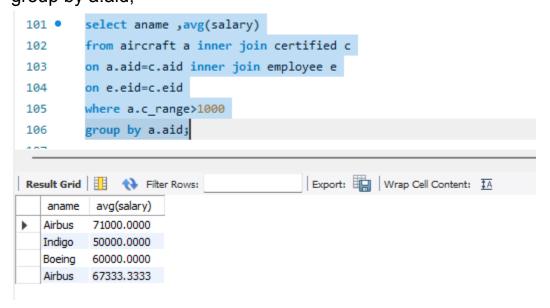
2)select e.eid, max(c\_range)
from employee e inner join certified c
on e.eid=c.eid inner join aircraft a
on c.aid=a.aid
group by eid



3)select e.ename from employee e where salary<(select min(price) from flights where fro="Bengalure" and too="Frankfurt");



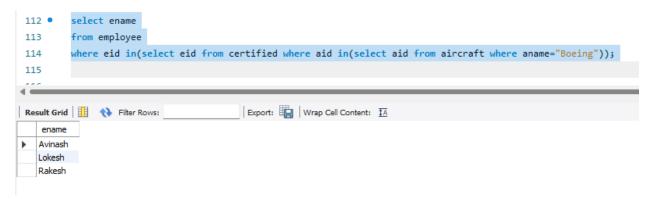
4)select aname ,avg(salary) from aircraft a inner join certified c on a.aid=c.aid inner join employee e on e.eid=c.eid where a.c\_range>1000 group by a.aid;



# 5)select ename

from employee

where eid in(select eid from certified where aid in(select aid from aircraft where aname="Boeing"));



6)select aid from aircraft where c\_range >=(select distance from flights where fro="Bengalure" and too="New Delhi");

