```
CODE:
CREATE TABLE AIRCRAFT
 (AID INTEGER PRIMARY KEY,
ANAME VARCHAR(10),
 CRUISINGRANGE INTEGER);
CREATE TABLE EMPLOYEES
 (EID INTEGER PRIMARY KEY,
 ENAME VARCHAR(15),
SALARY int);
CREATE TABLE CERTIFIED
 (EID INTEGER NOT NULL,
AID INTEGER NOT NULL,
 PRIMARY KEY (EID, AID),
 FOREIGN KEY (EID) REFERENCES EMPLOYEES (EID),
 FOREIGN KEY (AID) REFERENCES AIRCRAFT (AID));
select * from certified;
select * from employees;
select * from aircraft;
select * from flights;
select e.ename from employees e where e.salary<(select min(f.price) from flights f where
f.ffrom='Bangalore'
and f.tto='Frankfurt');
select a.aname from aircraft a where a.aid in (select c.aid from certified c,employees e where
c.eid=e.eid
and not exists(select * from employees e1 where e1.eid=e.eid and e.salary<80000));
select c.eid,max(a.cruisingrange) from aircraft a,certified c where a.aid=c.aid group by c.eid having
count(c.eid)>3;
```

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

select distinct e.ename from aircraft a,employees e,certified c where e.eid=c.eid and c.aid=a.aid and a.aname like 'Boeing%';

SELECT A.aid

FROM Aircraft A

WHERE A.cruisingrange >(SELECT min(F.distance)

FROM Flights F

WHERE F.ffrom = 'Bangalore' AND F.tto = 'Frankfurt');

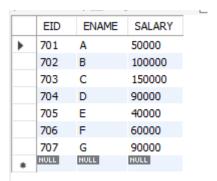
select e.ename,e.salary from employees e where e.eid not in (select c.eid from certified c) and e.salary>

(select avg(e1.salary) from employees e1 where e1.eid in (select distinct c1.eid from certified c1));

certified

	EID	AID
•	701	101
	701	102
	701	105
	701	106
	702	101
	702	104
	702	107
	703	104
	703	105
	703	107
	704	104

employees



<u>aircrafts</u>

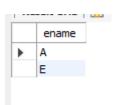
	AID	ANAME	CRUISINGRANGE
•	101	747	3000
	102	Boeing	900
	103	647	800
	104	Dreamliner	10000
	105	Boeing	3500
	106	707	1500
	107	Dream	120000
	NULL	NULL	NULL

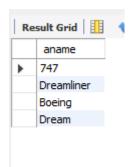
flights.

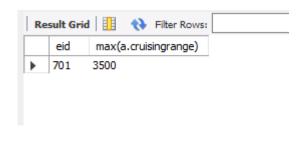
		T					
	FLNO	FFROM	то	DISTANCE	DEPARTS	ARRIVESS	PRICE
•	101	Bangalore	Delhi	2500	2005-05-13 07:15:31	2005-05-13 17:15:31	5000
	102	Bangalore	Lucknow	3000	2005-05-13 07:15:31	2005-05-13 11:15:31	6000
	103	Lucknow	Delhi	500	2005-05-13 12:15:31	2005-05-13 17:15:31	3000
	104	Bangalore	Frankfurt	8500	2005-05-13 07:15:31	2005-05-13 23:15:31	75000
	105	Kolkata	Delhi	3400	2005-05-13 07:15:31	2005-05-13 09:15:31	7000
	107	Bangalore	Frankfurt	8000	2005-05-13 07:15:31	2005-05-13 22:15:31	60000

Query Results:

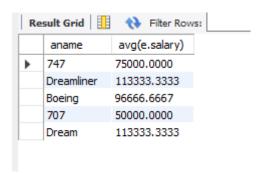
Query 1 Query 2 Query 3







Query 4



Query 5

Result Grid		
	ename	
•	Α	
	С	
	D	

Query 6

	aid
•	104
	107

Query 7