LAB-5: FLIGHT DATABASE

Query !

create database flightab; use flightab;

Create table flights floo int. from place varchar (15), toplace varchar(15) distance int, departs date time, arrives date time,

price int, minary key (flao));

create table aircraft (aid int, aname Varchar (15), cruising range int, primary key (aid));

create table employeess (enome varchar (15) salary int primary key (eid);

create table certified (

DATE:

PAGE foreign key (eid) references employees (eid), foreign key (aid) references aircraft (aid); -) Odeny 2 use flight db; insert into flights values (101, 'Bangalore', 'Delhi') 2500, 2005-05-13 07:15:31', 2005-05-13 18:15:31, 5000);

insert Into flights values (102, Bangalore, Lucknow)
3000, 2013-05-05 07:15:31, (2013-05-05 11:15:31, 600
insert into flights values (103, Lucknow) Delhi, 500
(2013-05-05 12:15:31, (2013-05-05 17:15:31, 3000);
insert into flights values (107, Bangalore, Frankfurt,
dood, 2013-05-05 07:15:31, (2013-05-05 22:15:31, 6000). Mosest into flights values (104, 'Rangalore', 'Frankfurt')

4500, (2013-05-05 67:15:31', (2013-05-05 23:15:31,7500)

Mosest into flights values (105, "Kolkata") (Delhi, 340

(2013-05-05 07:15:31', (2013 05-05 09:15:31', 7000) insert into flights values (106, Bangalore, Cholkata, 1000) (2013-05-05 01:15:30' (2013-0505 09:20:30', 10000); inserts into flights values (108, "Lucknew" (Kolketa), low (2013-05-05 11:20:30, (2013-05-05 15:20:30) 10000) Select * from Aights; insert into direraft values (101, '747', 3000);
insert into aircraft values (102, 'Boeing', 900);
insert into aircraft values (103, '647', 800);
insert into aircraft values (104, 'Dreamliner', 1000);
insert into aircraft values (105, 'Boeing', 3500);

DATE: PAGE: Mesent intrarroraft values (106, 1707', 1500); Meest into aircraft values (107, Dream, (20000); insert thto aircraft values (cos, '707', 760); insert into direraft values (109, '797', 1000); Select * from aircraft; Thouse the employees values (701, A, 50,000); Mest into employees values (702, (B', 100000);
Theest into employees values (703, (C), 150000); Muest into one ployees values (704, CD', 90000);

Moest into employees values (705 °E', 40000);

Moest into employees values (706, °F', 60000);

Moest into employees values (707, °g', 90000); Select * from employees; Mest into certified values (701, 101); Thoust the certified values (701, 102); insert into certified values (701, 106); where into certified values (Fol. 105): insest into cortified values (702, 104) west the certified values (703, 104); Mort hito certified values (704; 104): Mosert into contifred values (702, 107); Mert into coopered values 1 703, (07); inspirt into Certified values 704, 107) chsert into certified values (702, 101)
whent into certified values (702, 108) Mest this certified values (Fo1, 109);

splect & from certified;

DATE: > Query 3 select distinct a anome from aircraft a where a aid in (select caid from certified c, employees e where creid = e eigl and not eniets select & from employees el where eleid = elid and e1-salary < 80000); > Query 4 select max (a.comisingrange), C. eid from Cextified C, aircraft a where c. aid = a. aid groupby c. eid having count (c. eid) >3. > Query 5 select ename from employees
where galary < (
select min (price)
from flights where I fromplace = 1 pangalore' and to place = Frankfurt'); > Quexy 6 select avg (e-ealary), c-aid from cextified c employees e where caid in (select aid

	DATE: PAGE:
	from aircraft where cruising range >1000) and cold = c-eid group by c-aid;
	and red = c-eid group by c-aid.
	e-eid
	Guery 7
	select erame from employees whose eid in
	select eigh from cestified where aid in
	select aid from aircraft
	where aname = 'Boeing'));
\rightarrow	Que xy 8
	select aname from averaft
	whose cruising range > any (select distance
	from flights othere fromplate = "fampalose" and
	toplace = 'Delhi');
\rightarrow	Juery 9
-	select F. Alno, F. departs from flights F
	where to fino in (select FO. Ano from fights FO
	where Fo. fromplace = Bangalore' and Poplace = "Kolloata"
	and EXTRACT (how from For anxives) < 18)
	UNION (select Fo. flno from flights Fo, flights F)
	where Fo. fromplace = Bongalore' and Fo. toplace < > 'Kollota'
	and Fo. toplace = FI. tromplace and FI. toplace = "Kolkata"
	and Flideparts > Forarrives
	and EXTRACT (hour from F1. arrives) < 18)
	UNION (select Fo.fino
	from flights Fo, Flights Flights F2
	from flights Fo Flights Fl flights F2 where Fo framplace = Bangalore