```
26 •  select * from flights;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

flno	from_city	to_city	distance	departs	arrives	price
1	BANGALORE	MANGALORE	360	10:45:00	12:00:00	10000
2	BANGALORE	DELHI	5000	12:15:00	04:30:00	25000
3	BANGALORE	MUMBAI	3500	02:15:00	05:25:00	30000
4	DELHI	MUMBAI	4500	10:15:00	12:05:00	35000
5	DELHI	FRANKFURT	18000	07:15:00	05:30:00	90000
6	Mumbai	Delhi	1200	10:30:00	12:30:00	28000
7	BANGALORE	FRANKFURT	17000	12:00:00	06:30:00	99000

```
36 •  select * from aircraft;
```

Result Grid | Filter Rows:

a_id	a_name	cruisingrange
111	AIRBUS	1000
222	BOEING	5000
333	JET01	5000
444	DOUGLAS	8000
555	ANTONOV	500
666	VICKERS	800
777	FOKKER	1000
NULL	NULL	NULL

```
48 •  select * from employee;
```

Result Grid | Filter Rows:

e_id	e_name	salary
1	ARJUN	30000
2	ARPITH	85000
3	BHOOMI	50000
4	HENRY	45000
5	JOMIE	90000
6	ANOSH	75000
7	RICK	100000
8	JANE	70000

```
64 •  select * from certified;
```

Result Grid | Filter Rows:

e_id	a_id
1	111
2	777
2	333
3	555
4	222
5	666
5	222
6	333

```
67      -- i. Find the names of aircraft such that all pilots certified to
68      -- operate them have salaries more than Rs.80,000.
69 •  select distinct a.a_name from aircraft a,certified c,employee e
70      where a.a_id=c.a_id and c.e_id=e.e_id and e.salary>80000;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

a_name
FOKKER
JET01
VICKERS
BOEING
AIRBUS

```
72      -- ii. For each pilot who is certified for more than three aircrafts, find the
73      --  eid and the maximum cruising range of the aircraft for which she or he is certified.
74 •  select e.e_id,max(a.cruisingrange) from aircraft a,employee e,certified c
75      where a.a_id=c.a_id and e.e_id=c.e_id group by e.e_id having count(e.e_id)>3;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

e_id	max(a.cruisingrange)
9	5000

```
77      -- iii. Find the names of pilots whose salary is less than the price of the
78      -- cheapest route from Bengaluru to Frankfurt.
79      select e.e_name from employee e where e.e_id in(select e_id from certified)
80      and salary<(select min(price) from flights where from_city="BANGALORE" and
81      to_city="FRANKFURT");
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

e_name
ARJUN
ARPITH
BHOOMI
HENRY
JOMIE
ANOSH
JANE
SOFIE

```
83      -- iv. For all aircraft with cruising range over 1000 Kms, find the name of the
84      -- aircraft and the average salary of all pilots certified for this aircraft.
85      select a.a_name,avg(e.salary) from aircraft a,employee e,certified c
86      where a.a_id=c.a_id and e.e_id=c.e_id and a.cruisingrange>1000 group by a.a_name;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

a_name	avg(e.salary)
BOEING	71666.6667
JET01	80000.0000
DOUGLAS	70000.0000

```
88      -- v. Find the names of pilots certified for some Boeing aircraft.
89      select e.e_name from aircraft a,employee e,certified c
90      where a.a_id=c.a_id and e.e_id=c.e_id and a.a_name="BOEING";
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

e_name
HENRY
JOMIE
SOFIE

```
92      -- vi. Find the aids of all aircraft that can be used on
93      --  routes from Bengaluru to New Delhi.
94      select a_id from aircraft where cruisingrange>=(select distance from flights
95      where from_city="BANGALORE" and to_city="DELHI");
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Con

a_id
222
333
444
NULL

```
97      -- vii. A customer wants to travel from Madison to New York with no
98      --  more than two changes of flight. List the choice of departure times
99      -- from Madison if the customer wants to arrive in New York by 6 p.m.
100     select f.flno ,f.departs from flights f where f.flno in ( ( select f1.flno
101     from flights f1 where f1.from_city="MADISON" AND f1.to_city="NEW YORK" and f1.arrives<'18:00:00')
102     union ( select f1.flno from flights f1,flights f2 where f1.from_city="MADISON"
103     and f1.to_city!="NEW YORK" and f1.to_city=f2.from_city and f2.to_city="NEW YORK"
104     and f2.departs>f1.arrives and f2.arrives<'18:00:00'));
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

flno	departs
8	10:00:00
10	11:00:00

```
106     -- viii. Print the name and salary of every non-pilot whose
107     -- salary is more than the average salary for pilots.
108     select e_name from employee where e_id not in(select e_id from certified)
109     and salary>(select avg(salary) from employee where e_id in(select e_id from certified));
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

e_name
DANNY