```
1 •    SELECT * FROM airlineinfo.aircraft;
```

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

aid	aname	cruising_range
2344	AirAsia	10000
4563	IndiGo	20000
4623	Boeing	400
5643	Spicejet	30000
7634	AirIndia	15000
8548	Vistara	44000
NULL	NULL	NULL

```
1 •    SELECT * FROM airlineinfo.employee;
```

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

eid	ename	salary
23	Kush	50000
37	Supri	35000
45	Hitha	30000
52	Rita	90000
56	Ravi	25000
65	Raam	33000
69	Haras	100000
NULL	NULL	NULL

employee 1 ×

```
1 •    SELECT * FROM airlineinfo.certified;
```

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

eid	aid
23	5643
56	5643
23	4563
52	7634
23	7634
23	4563
23	2344
37	4623

```
1 •   SELECT * FROM airlineinfo.flight;
```

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

fl_no	fl_from	fl_to	distance	depart	arrives	price
3459	Mumbai	Chennai	540	6 PM	8 PM	6700
3923	Mumbai	New York	540	6 AM	6 PM	3400
4536	Banglore	Mumbai	900	7 AM	10 AM	5000
5689	Banglore	Frankfurt	5440	6 PM	8 AM	50000
6457	Mumbai	Punjab	540	6 PM	8 PM	3400
7467	Banglore	Delhi	540	6 PM	8 PM	6000
7489	Banglore	Frankfurt	5440	6 PM	8 AM	60000
8457	Mumbai	Delhi	540	6 PM	8 PM	4000
NULL	NULL	NULL	NULL	NULL	NULL	NULL

Q1

```
49
50   /*Find the names of aircraft such that all pilots certified to operate them have salaries more than
51   Rs.80,000.*/
52
53 • select a.aname from aircraft a, certified c, employee e
54   where a.aid=c.aid
55   and e.eid=c.eid
56   and not exists (select * from employee e2 where e2.eid=e.eid and e2.salary<80000);
57
```

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

aname
AirIndia

Q2

```
57
58   /* For each pilot who is certified for more than three aircrafts, find the eid and the maximum cruising
59   range of the aircraft for which she or he is certified.*/
60
61 • select c.eid, max(cruising_range) from certified c, aircraft a
62   where c.aid=a.aid
63   group by c.eid having count(*) > 3;
64
```

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

eid	max(cruising_range)
23	30000

Q3

```
64
65    /*iii. Find the names of pilots whose salary is less than the price of the cheapest route from Bengaluru to
66    Frankfurt.*/
67
68  • select e.ename from employee e
69    where e.salary < (select min(f.price) from flight f where f.fl_from='Bangalore'and f.fl_to='Frankfurt');
70
```

Result Grid | 🔢 | ↕ Filter Rows: [＿＿＿＿] | Export: 🔛 | Wrap Cell Content: 🔤

ename

Q4

```
71
72    /*iv. For all aircraft with cruising range over 1000 Kms, find the name of the aircraft and the average
73    salary of all pilots certified for this aircraft.*/
74
75  • select a.aname, a.aid, avg(e.salary) from aircraft a, employee e, certified c
76    where a.aid=c.aid and c.eid=e.eid and a.cruising_range>1000 group by a.aname, a.aid;
77
```

Result Grid | 🔢 | ↕ Filter Rows: [＿＿＿＿] | Export: 🔛 | Wrap Cell Content: 🔤

aname	aid	avg(e.salary)
AirAsia	2344	50000.0000
IndiGo	4563	50000.0000
Spicejet	5643	37500.0000
AirIndia	7634	70000.0000

Q5

```
77
78    /*v. Find the names of pilots certified for some Boeing aircraft.*/
79
80  • select e.ename from employee e, certified c, aircraft a where c.eid=e.eid and c.aid=a.aid and a.aname='Boeing';
81
```

Result Grid | 🔢 | ↕ Filter Rows: [＿＿＿＿] | Export: 🔛 | Wrap Cell Content: 🔤

ename
Supri

Q6

```
81
82    /*vi. Find the aids of all aircraft that can be used on routes from Bengaluru to New Delhi.*/
83
84  • select aid from aircraft where cruising_range>
85        (select MIN(distance)
86        from flight
87        where fl_from='Bangalore'
88        and fl_to='Delhi');
89
```

Result Grid | 🔢 | ↕ Filter Rows: [＿＿＿＿] | Edit: 🖊 🖻 🖶 | Export/Import: 🔛 🔚 | Wrap Cell Content: 🔤

aid
NULL

Q7

```
90    /*vii. A customer wants to travel from Madison to New York with no more than two changes of flight. List
91     the choice of departure times from Madison if the customer wants to arrive in New York by 6 p.m.*/
92
93 •    select f.depart from flight f where f.fl_to="New York" and arrives="6 PM";
94
```

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

depart
▶ 6 AM

Q8

```
94
95     /*viii. Print the name and salary of every non-pilot whose salary is more than the average salary for pilots.*/
96
97 •   select e.ename, e.salary from employee e
98     where e.eid not in(select distinct c.eid from certified c) and e.salary>(select avg(e2.salary) from employee e2 where e2.eid
99     in (select distinct c2.eid from certified c2));
100
```

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

ename	salary
▶ Haras	100000