

// Airline

- i. Find the names of aircraft such that all pilots certified to operate them have salaries more than Rs.80,000.
- ii. For each pilot who is certified for more than three aircrafts, find the eid and the maximum cruising range of the aircraft for which she or he is certified.
- iii. Find the names of pilots whose salary is less than the price of the cheapest route from Bengaluru to Frankfurt.
- iv. For all aircraft with cruising range over 1000 Kms, find the name of the aircraft and the average salary of all pilots certified for this aircraft.
- v. Find the names of pilots certified for some Boeing aircraft.
- vi. Find the aids of all aircraft that can be used on routes from Bengaluru to New Delhi.
- vii. A customer wants to travel from Madison to New York with no more than two changes of flight. List the choice of departure times from Madison if the customer wants to arrive in New York by 6 p.m.
- viii. Print the name and salary of every non-pilot whose salary is more than the average salary for pilots.

```
Showing rows 0 - 0 (1 total, Query took 0.0056 seconds.)
SELECT eid,MAX(a.cruiserange) FROM aircraft a,certified c WHERE a.aid=c.aid GROUP by eid HAVING count(c.aid)>3
```

```
Showing rows 0 - 3 (4 total, Query took 0.0067 seconds.)
SELECT DISTINCT a.aname FROM aircraft a,certified c WHERE a.aid=c.aid AND c.eid in (SELECT eid FROM employee AS e WHERE e.salary>80000)
```

```
Showing rows 0 - 1 (2 total, Query took 0.0063 seconds.)
SELECT DISTINCT ename ,salary FROM employee e,certified c WHERE c.eid=e.eid AND e.salary< (SELECT MIN(`price`) FROM flight WHERE `src`='Bengaluru' AND dest='F'
```

```
Showing rows 0 - 3 (4 total, Query took 0.0066 seconds.)
SELECT a.ename,AVG(salary) from aircraft a,employee e,certified c WHERE a.aid=c.aid AND e.eid=c.eid AND cruiserange>1000 GROUP BY a.ename
```

✓ Showing rows 0 - 2 (3 total, Query took 0.0032 seconds.)

```
SELECT DISTINCT ename from employee e,certified c WHERE e.eid=c.eid AND c.aid in (SELECT aid FROM aircraft WHERE aname LIKE 'Boeing%')
```

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✓ Showing rows 0 - 2 (3 total, Query took 0.0046 seconds.)

```
SELECT * FROM aircraft WHERE cruiserange >= (SELECT dist from flight f WHERE f.src='Bangalore' AND f.dest='Delhi')
```

✓ Showing rows 0 - 0 (1 total, Query took 0.0126 seconds.)

```
SELECT ename,salary from employee e WHERE eid NOT IN (SELECT DISTINCT eid from certified) AND salary>= (SELECT AVG(salary) FROM employee e,certified c WHERE e.eid
```

☐ Profiling [\[Edit inline\]](#) [\[Edit \]](#) [\[Explain SQL \]](#) [\[Cr](#)