DBMS LAB

Mallika Prasad

1BM19CS081

LAB PROG 7

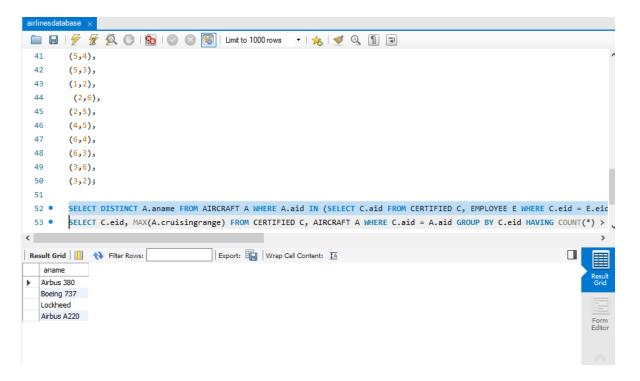
OUTPUT

Value Insertion

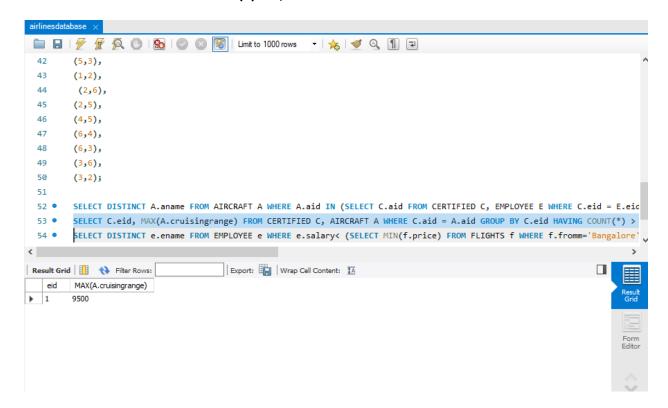
```
7 .
      INSERT INTO FLIGHTS (flno, fromm, too, distance, departs, arrives, price) VALUES
 8
        (1, 'Bangalore', 'Chennai', 360, '08:45', '10:00', 10000),
 9
       (2, 'Bangalore', 'Delhi', 1700, '12:15', '15:00', 37000),
10
       (3, 'Bangalore', 'Kolkata', 1500, '15:15', '05:25', 30000),
       (4, 'Mumbai', 'Delhi', 1200, '10:30', '12:30', 28000),
11
       (5, 'Bangalore', 'New york', 14000, '05:45', '02:30', 90000),
12
       (6, 'Delhi', 'Chicago', 12000, '10:00', '05:45', 95000),
13
       (7, 'Bangalore', 'Frankfurt', 15000, '12:00', '06:30', 98000),
14
15
       (8, 'Madison', 'New york', 1500, '10:15', '14:25', 30000);
16
17
18 •
       INSERT INTO AIRCRAFT (aid, aname, cruising range) values
19
               (1, 'Airbus 380',1000),
20
               (2, 'Boeing 737',4000),
               (3, 'Lockheed', 5500),
21
22
               (4, 'Airbus A220',9500),
               (5, 'Boeing 747',800),
23
               (6, 'Douglas DC3',900);
25
26
27 •
       INSERT INTO EMPLOYEE (eid, ename, salary) VALUES
28
       (1, 'Zoya', 95000),
```

```
27 • INSERT INTO EMPLOYEE (eid, ename, salary) VALUES
28
      (1,'Zoya',95000),
    (2, 'Akshay', 65000),
29
    (3,'Niveditha',70000),
30
    (4, 'Safan', 45000),
31
32
    (5, 'Peter', 95000),
33
    (6, 'Nayan', 100000),
      (7, 'Ajay',50000);
34
35
36
37 • INSERT INTO CERTIFIED (eid,aid) VALUES
38
39
      (1,3),
      (1,4),
40
41
     (5,4),
      (5,3),
43
      (1,2),
44
      (2,6),
45
      (2,5),
46
      (4,5),
47
      (6,4),
48
      (6,3),
      (3.6).
```

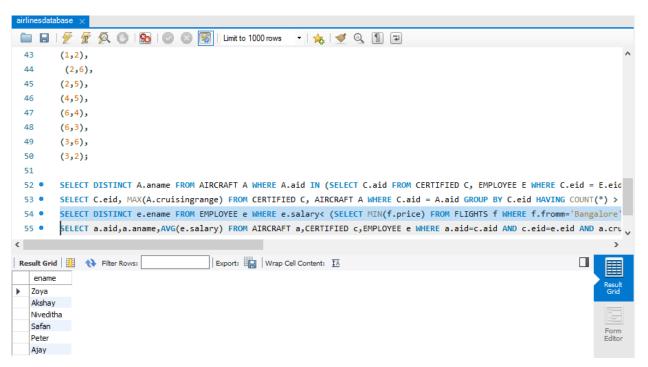
SELECT DISTINCT A.aname FROM AIRCRAFT A WHERE A.aid IN (SELECT C.aid FROM CERTIFIED C, EMPLOYEE E WHERE C.eid = E.eid AND NOT EXISTS (SELECT * FROM EMPLOYEE E1 WHERE E1.eid = E.eid AND E1.salary < 80000));



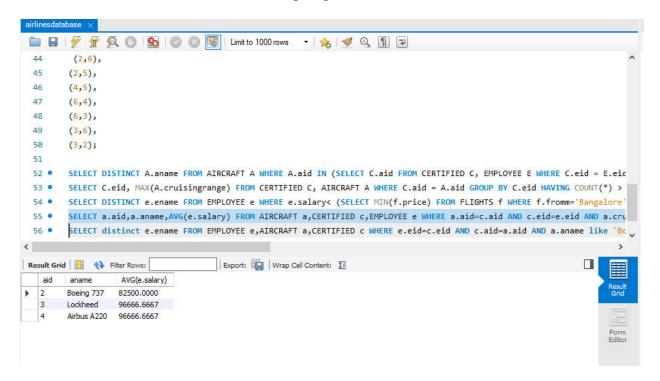
SELECT C.eid, MAX(A.cruisingrange) FROM CERTIFIED C, AIRCRAFT A WHERE C.aid = A.aid GROUP BY C.eid HAVING COUNT(*) > 3;



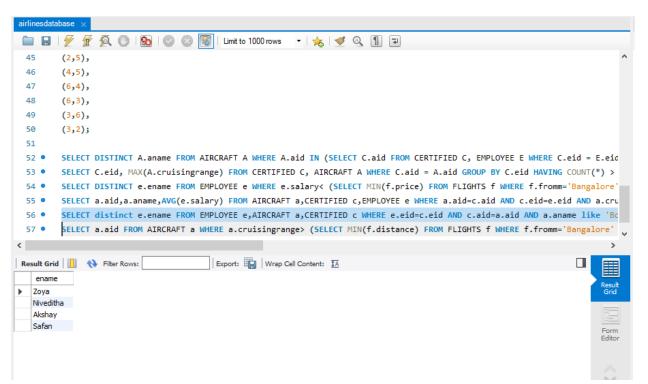
SELECT DISTINCT e.ename FROM EMPLOYEE e WHERE e.salary< (SELECT MIN(f.price) FROM FLIGHTS f WHERE f.fromm='Bangalore' AND f.too='Frankfurt');



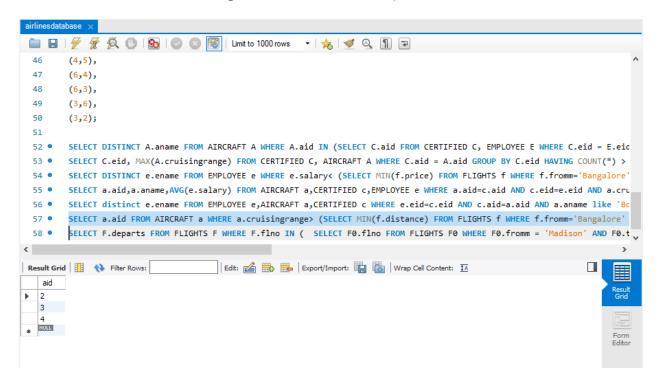
SELECT a.aid,a.aname,AVG(e.salary) FROM AIRCRAFT a,CERTIFIED c,EMPLOYEE e WHERE a.aid=c.aid AND c.eid=e.eid AND a.cruisingrange>1000 GROUP BY a.aid,a.aname;



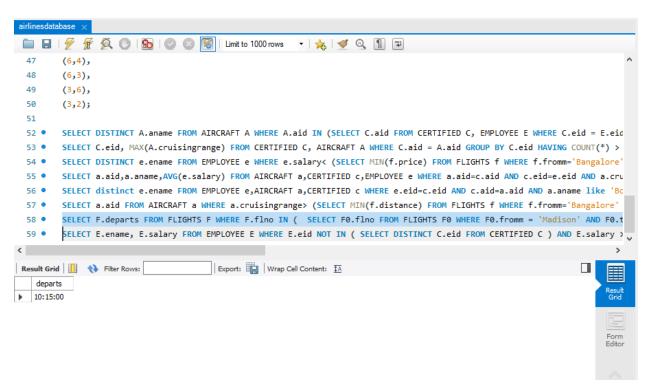
SELECT distinct e.ename FROM EMPLOYEE e,AIRCRAFT a,CERTIFIED c WHERE e.eid=c.eid AND c.aid=a.aid AND a.aname like 'Boeing%';



SELECT a.aid FROM AIRCRAFT a WHERE a.cruisingrange> (SELECT MIN(f.distance) FROM FLIGHTS f WHERE f.fromm='Bangalore' AND f.too='Delhi');



SELECT F.departs FROM FLIGHTS F WHERE F.flno IN (SELECT F0.flno FROM FLIGHTS F0 WHERE F0.fromm = 'Madison' AND F0.too = 'New york' AND F0.arrives < '18:00');



SELECT E.ename, E.salary FROM EMPLOYEE E WHERE E.eid NOT IN (SELECT DISTINCT C.eid FROM CERTIFIED C) AND E.salary > (SELECT AVG (E1.salary) FROM EMPLOYEE E1 WHERE E1.eid IN (SELECT DISTINCT C1.eid FROM CERTIFIED C1));

