LIS5782 Database Management Systems

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**Project 4**

**SQL queries to setup database**

use ozmenmehmet;

show tables;

ALTER TABLE airportp4

RENAME TO Airport;

ALTER TABLE flightp4tm

RENAME TO FlightTm;

SET sql\_mode=(SELECT REPLACE(@@sql\_mode,'ONLY\_FULL\_GROUP\_BY',''));

SET SQL\_SAFE\_UPDATES = 0;

**SQL STATEMENTS**

SELECT M.mnNm as `Month`, sum(L.mail) as `Mail`, sum(L.frght) as `Freight`

FROM mnth M, cload L, flight F

WHERE M.mnID=F.mnID and F.ftRN=L.ftRN

GROUP BY month;

Graphical user interface, application, table

Description automatically generated with medium confidence

SELECT R.rtID as `RouteID`, A.apNm as `Origin`, B.apNm as `Destination`

FROM route R, airport A, airport B, region RE

WHERE R.origin=A.apID and R.destin=B.apID and R.rgID=RE.rgID and RE.rgDesc='pacific'

ORDER BY A.apNm;

Table

Description automatically generated

SELECT C.crrNm as `Carrier`, F.dAct as `Flights`

FROM carrier C, flight F

WHERE C.crrID=F.crrID and F.dAct > 20

GROUP BY C.crrNm

ORDER BY f.dAct;

Table

Description automatically generated

SELECT DISTINCT L.payLd as `Payload`, L.seat as `Seats`, A.model as `Aircraft`, C.ctrNm as `Country`

FROM cload L, aircraft A, airport B, country C, flight F, route R, city CI

WHERE L.ftRN=F.ftRN and F.acID=A.acID and F.rtID=R.rtID and R.destin=B.apID and B.citID=CI.citID and CI.ctrID=C.ctrID and C.ctrNm in ('Canada', 'Brazil', 'Bahamas', 'Germany')

ORDER BY Payload;

Table

Description automatically generated

SELECT G.group as 'Carrier Group', count(F.dSch) as 'Scheduled Departures'

FROM crrgroup G, carrier C, flight F

WHERE G.cgID=C.cgID and C.crrID=F.crrID

GROUP BY G.group

ORDER BY count(F.dSch);

Graphical user interface, application

Description automatically generated

SELECT R.rtID as 'RouteID'

FROM route R, flight F, flighttm FT

WHERE R.rtID=F.rtID and F.ftRN=FT.ftRN

GROUP BY R.rtID

ORDER BY FT.airTm limit 1;



SELECT crrNm as 'Carrier'

FROM (SELECT C.crrNm, sum(L.psngr) as sumpsngr

FROM carrier C, cload L, flight F

WHERE C.crrID=F.crrID and F.ftRN=L.ftRN

GROUP BY C.crrNm) subq where subq.sumpsngr=0

ORDER BY crrNm;

Graphical user interface, text, application

Description automatically generated

SELECT DISTINCT concat (C.citNm, ', ', S.staNm) as 'Location'

FROM city C, state S, flight F, route R, airport A, config

WHERE A.citID=C.citID and C.staID=S.staID and F.rtID=R.rtID and R.origin=A.apID and config.cnfID=F.cnfID and cnfDesc='seaplane'

ORDER BY C.citNm;

Application

Description automatically generated with low confidence

SELECT C.citNm as 'City', D.ctrNm as 'Country'

FROM city C, country D

WHERE C.ctrID=D.ctrID and C.citNm like 'a%'

ORDER BY city;

Table, Excel

Description automatically generated

SELECT C.crrNm as 'Major Carrier', ROUND(sum(F.dAct) \*100 / sum(F.dSch), 0) as 'Percentage of Actual Departures'

FROM crrgroup G, carrier C, flight F

WHERE G.cgID = 3 and G.cgID=C.cgID and C.crrID=F.crrID

GROUP BY C.crrNm

ORDER BY ROUND(sum(F.dAct) \*100 / sum(F.dSch), 0) asc;

Table

Description automatically generated

SELECT DISTINCT M.mkNm as 'Builder', A.model as 'Model'

FROM make M, aircraft A

WHERE M.mkID=A.mkID

ORDER BY Builder;

Table

Description automatically generatedTable

Description automatically generated

1. Table

   Description automatically generated with medium confidence

SET SQL\_SAFE\_UPDATES = 0;

UPDATE make

SET mkNm='Oceanic Aerospace'

WHERE mkNm='CASA';

SELECT \* FROM make;

