MGMT 582- Group project part#3

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**QUESTION 1**

SELECT SERIAL\_NO, a.TYPECODE, pt.TYPEDESC

FROM AIRPLANE a, PLANE\_TYPE pt

WHERE a.TYPECODE = pt.TYPECODE;

SERIAL\_NO TYPECO TYPEDESC

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220989 A320 Typical two-class cabin layout.

650012 A320 Typical two-class cabin layout.

921225 A320 Typical two-class cabin layout.

562911 A380 Payload of 150 tonnes.

208731 A380 Payload of 150 tonnes.

924817 B737 Short-to-medium-range airplane.

877694 B737 Short-to-medium-range airplane.

456710 B747 Extended flight range.

756392 B747 Extended flight range.

338157 B747 Extended flight range.

10 rows selected

**QUESTION 2**

SELECT TYPECODE, COUNT(SERIAL\_NO) AS NO\_OF\_AIRPLANES

FROM AIRPLANE

GROUP BY TYPECODE;

TYPECO NO\_OF\_AIRPLANES

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A320 3

B747 3

A380 2

B737 2

**QUESTION 3**

SELECT pl.PILOT\_NO, pl.PL\_NAME, c.TYPECODE

FROM PILOT pl, CERTIFICATE c

WHERE pl.PILOT\_NO = c.PILOT\_NO

ORDER BY pl.PILOT\_NO desc, c.TYPECODE;

PILOT\_NO PL\_NAME TYPECO

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351 Molly Ivans A320

351 Molly Ivans A380

351 Molly Ivans B737

350 Cathryn Jones B737

350 Cathryn Jones B747

349 Vince Gill A320

349 Vince Gill A380

348 Claire Parton A380

348 Claire Parton B737

348 Claire Parton B747

347 Kim Costner A320

347 Kim Costner B737

347 Kim Costner B747

346 Tracy Lange A320

346 Tracy Lange B737

346 Tracy Lange B747

345 George Wilson A320

345 George Wilson A380

345 George Wilson B737

345 George Wilson B747

20 rows selected

**QUESTION 4**

SELECT ct.CITYCODE, CITYNAME, STATE, ARPRTDESC, f.FLIGHT\_NO

FROM CITY\_SRVD ct, FLIGHT f

WHERE ct.CITYCODE = f.ORG\_CITYCODE (+);

CIT CITYNAME ST ARPRTDESC FLIGHT\_NO

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CLE Cleveland OH City 1 in Ohio 573

CMH Columbus OH City 2 in Ohio

CVG Cincinnati OH City 3 in Ohio 590

EVV Evansville IN City 3 in Indiana 501

FWA Ft Wayne IN City 2 in Indiana 577

IND Indianapolis IN City 1 in Indiana 521

IND Indianapolis IN City 1 in Indiana 534

LEX Lexington KY City 2 in Kentuky

SDF Louisville KY City 1 in Kentuky 531

9 rows selected

**QUESTION 5**

SELECT fl.FLIGHT\_NO, fl.ORG\_CITYCODE, ct.CITYNAME, to\_char(fl.DEPTIME, 'HH:MI:SS AM') as DEPTIME, s.FL\_DATE

FROM FLIGHT fl, CITY\_SRVD ct, SCHD\_FLIGHT s

WHERE fl.FLIGHT\_NO = 534 AND fl.ORG\_CITYCODE = ct.CITYCODE AND fl.FLIGHT\_NO = s.FLIGHT\_NO;

FLIGHT\_NO ORG CITYNAME DEPTIME FL\_DATE

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534 IND Indianapolis 07:00:00 AM 05-MAR-18

534 IND Indianapolis 07:00:00 AM 06-MAR-18

534 IND Indianapolis 07:00:00 AM 08-MAR-18

**QUESTION 6**

SELECT r.PS\_NAME, ps.PS\_STREET, ps.PS\_CITY, ps.PS\_STATE, ps.PS\_ZIP

FROM PASSENGER ps, RESERVATION r

WHERE r.PS\_NAME = ps.PS\_NAME AND r.PS\_PHONE = ps.PS\_PHONE

AND r.FLIGHT\_NO = 534 AND r.FL\_DATE = '06-MAR-18';

PS\_NAME PS\_STREET PS\_CITY PS\_STATE PS\_ZIP

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Rob Ferris 2005 N. State St West Lafayette IN 49814

Sandra Jackson 220 Public sq Lafayette TN 37083

Tina Rice 1812 Hayes St Nashville TN 37203

**QUESTION 7**

SELECT DISTINCT pl.PILOT\_NO, pl.PL\_NAME, a.TYPECODE

FROM PILOT pl, SCHD\_FLIGHT s, AIRPLANE a

WHERE pl.PILOT\_NO = s.PILOT\_NO

AND s.SERIAL\_NO = a.SERIAL\_NO

AND pl.PILOT\_NO = 345;

PILOT\_NO PL\_NAME TYPECO

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345 George Wilson B737

345 George Wilson B747

345 George Wilson A380

**QUESTION 8**

SELECT s.FLIGHT\_NO, s.FL\_DATE, COUNT(r.PS\_NAME) AS BOOKED\_SEATS

FROM SCHD\_FLIGHT s, RESERVATION r

WHERE s.FLIGHT\_NO = r.FLIGHT\_NO(+) AND s.FL\_DATE = r.FL\_DATE(+)

GROUP BY s.FLIGHT\_NO, s.FL\_DATE

ORDER BY s.FLIGHT\_NO;

FLIGHT\_NO FL\_DATE BOOKED\_SEATS

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501 05-MAR-18 2

501 06-MAR-18 1

501 07-MAR-18 1

521 07-MAR-18 1

521 09-MAR-18 1

531 05-MAR-18 0

531 06-MAR-18 0

534 05-MAR-18 7

534 06-MAR-18 3

534 08-MAR-18 0

577 08-MAR-18 2

577 09-MAR-18 2

590 05-MAR-18 2

590 07-MAR-18 2

590 09-MAR-18 1

15 rows selected

**QUESTION 9**

select count(distinct sc.serial\_no)as count\_of\_schd\_flights,

(count(distinct a.serial\_no)-count(distinct sc.serial\_no))as count\_of\_not\_schd\_flights

from schd\_flight sc, airplane a

where fl\_date = '05-MAR-18';

COUNT\_OF\_SCHD\_FLIGHTS COUNT\_OF\_NOT\_SCHD\_FLIGHTS

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3 7

**QUESTION 10**

create view waittime as select flight\_no,sum((int\_deptime-int\_arrtime)\*24) as wait\_time

from int\_city group by flight\_no;

create view time\_motion as select flight\_no, sum((arrtime-deptime)\*24) as time

from flight group by flight\_no;

select A.flight\_no, nvl(B.wait\_time,0) as waiting\_time\_in\_hours,

(round(A.time-nvl(B.wait\_time,0),2)) as time\_in\_motion\_in\_hours

from time\_motion A, waittime B

where A.flight\_no = B.flight\_no(+) order by A.flight\_no; FROM INT\_CITY i

GROUP BY i.FLIGHT\_NO, i.INT\_CITYCODE) wt

WHERE f.FLIGHT\_NO = wt.FLIGHT\_NO;

FLIGHT\_NO TOTAL\_WAITING\_TIME\_IN\_HOURS TIME\_IN\_MOTION\_IN\_HOURS

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501 2 3.75

521 1.25 3

531 0 3.58

534 1.5 4

573 1.25 3.75

577 .75 4.17

590 0 2.25

7 rows selected