

CSE2007: Database Management Systems

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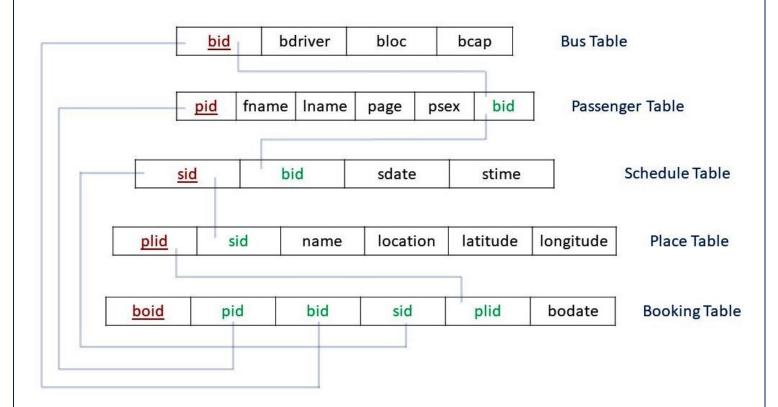
Lab Slot : L45 + L46

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Submitted to: Ms. Dhanavanthini madam

Practice Lab Exercises on a Database

ER to Relational Mapping



Consider the above given relations: (Travel Database)

D.	IIC T	T ₂	h	1
			n	

bid	bdriver	bloc	bcap	
1	Balraju	Tirupati	92	
2	Veerayya	Hyderabad	60	
3	Kamalesh	Hyderabad	75	
4	Ratna	Warangal	84	
5	Bheemudu	Vijayawada	78	
6	Suri	Guntur	97	

Place Table

plid	sid	name	location	latitude	Longitude	
11	500	Tirumala	Tirupati	27.2204801	-80.2544100	
12	501	Koti	Hyderabad	108.554011	33.208799	
13	502	Koti	Hyderabad	108.554011	33.208799	
14	503	Kazipet	Warangal	-10.279154	-40.404871	
15	504	Kandrika	Vijayawada	133.570188	133.570188	
16	505	Brodipet	Guntur	-20.257808	27.125600	

Schedule Table

500

501

502503504

bid	sdate	Stime
1	27-05-2021	13:05
2	24-05-2021	15:15
3	31-05-2021	09:42
4	04-06-2021	01:10
5	04-06-2021	22:30
6	10-06-2021	22:30

Passenger Table

pid	fname	Iname	page	psex	bid
101	Gudi	Prasad	21	М	1
102	Sesha	Pranav	19	М	2
<u>103</u>	Bandi	Lakshmi	33	F	3
104	Porika	Rahul	28	М	4
<u>105</u>	Bandi	Karuna	8	F	5
<u>106</u>	Burra	Sujatha	50	F	6

Booking Table

boid	pid	bid	sid	plid	Bodate
50	101	1	500	11	10-05-2021
51	102	2	501	12	07-05-2021
52	103	3	502	13	28-05-2021
53	104	4	503	14	01-06-2021
54	105	5	504	15	25-05-2021
55	106	6	505	16	25-05-2021

Answer the following Queries using above tables:

1. Create table Bus with attributes bid, bdriver, bloc, bcap.

> CREATE TABLE Bus(bid number(1) NOT NULL, bdriver varchar2(8), bloc varchar2(10), bcap number(2), PRIMARY KEY(bid));

SQL> CREATE TABLE Bus(bid number(1) NOT NULL, bdriver varchar2(8), bloc varchar2(10), bcap number(2), PRIMARY KEY(bid));
Table created.

2. Create table Passenger with attributes pid, fname, lname, page, psex, bid.

> CREATE TABLE Passenger(pid number(3) NOT NULL, fname varchar2(6), lname varchar2(7), page number(2), psex varchar2(1), bid number(1), PRIMARY KEY(pid), FOREIGN KEY(bid) REFERENCES Bus);

```
SQL> CREATE TABLE Passenger (
2 pid number(3) NOT NULL, fname varchar2(6), lname varchar2(7),
3 page number(2), psex varchar2(1), bid number(1),
4 PRIMARY KEY(pid), FOREIGN KEY(bid) REFERENCES Bus
5 );
Table created.
```

3. Insert the data given above in all the tables given above.

- > INSERT INTO Bus VALUES(&bid, '&bdriver', '&bloc', &bcap);
- > INSERT INTO Passenger VALUES(&pid, '&fname', '&lname', &page, '&psex', &bid);
- > INSERT INTO Schedule VALUES(&sid, &bid, '&sdate', '&stime');
- > INSERT INTO Place VALUES(&plid, &sid, '&name', '&location', &latitude, &longitude);
- > INSERT INTO Booking VALUES(&boid, &pid, &bid, &sid, &plid, '&bodate');

```
SQL> INSERT INTO Bus VALUES(&bid, '&bdriver', '&bloc', &bcap);
Enter value for bid: 1
Enter value for bdriver: Balraju
Enter value for bdriver: Balraju
Enter value for box bdriver: Balraju
Enter value for box bdriver: Balraju
Enter value for baloc: Tirupati
Enter value for page: 21
Enter value for page: 21
Enter value for page: 21
Enter value for baloc: Tirupati
INSERT INTO Bus VALUES(&bid, '&bdriver', '&bloc', &bcap)
Enter value for bid: 1

1 row created.

SQL> INSERT INTO Schedule VALUES(&sid, &bid, '&sdate', '&stime');
Enter value for sid: 500
Enter value for or sid: 500
Enter value for folication: Tirupati
Enter value for location: Tirupati
Enter valu
```

```
SQL> INSERT INTO Booking VALUES(&boid, &pid, &bid, &sid, &plid, '&bodate');
Enter value for boid: 50
Enter value for pid: 101
Enter value for bid: 1
Enter value for sid: 500
Enter value for plid: 11
Enter value for bodate: 10-MAY-2021
old 1: INSERT INTO Booking VALUES(&boid, &pid, &bid, &sid, &plid, '&bodate')
new 1: INSERT INTO Booking VALUES(50, 101, 1, 500, 11, '10-MAY-2021')

1 row created.
```

4. Display all the passenger's information.

> SELECT * FROM Passenger;

```
SQL> SELECT * FROM Passenger;
       PID FNAME LNAME
                                PAGE P
                                               BID
                                                 1
       101 Gudi
                  Prasad
                                   21 M
       102 Sesha
                  Pranav
                                   19 M
                                                 2
       103 Bandi
                  Lakshmi
                                   33 F
                                                 3
       104 Porika Rahul
                                                 4
                                   28 M
       105 Bandi Karuna
                                   8 F
                                                 5
       106 Burra Sujatha
                                  50 F
                                                 6
6 rows selected.
```

5. Display passenger Iname along with his pid, bus bid.

> SELECT pid, bid, Iname FROM Passenger;

```
SQL> SELECT pid, bid, lname FROM Passenger;
                 BID LNAME
       PID
       101
                   1 Prasad
       102
                  2 Pranav
       103
                   3 Lakshmi
                   4 Rahul
       104
       105
                  5 Karuna
       106
                   6 Sujatha
6 rows selected.
```

6. Display the passenger names whose age is above 18.

> SELECT fname, Iname FROM Passenger WHERE page>18;

```
SQL> SELECT fname, lname FROM Passenger WHERE page>18;

FNAME LNAME
------
Gudi Prasad
Sesha Pranav
Bandi Lakshmi
Porika Rahul
Burra Sujatha
```

7. Display gender of passengers without duplication.

> SELECT DISTINCT psex AS Gender FROM Passenger;

```
SQL> SELECT DISTINCT psex FROM Passenger;
P
-
M
F
```

8. Display bid, sdate of the bus scheduled to Vijayawada.

> SELECT DISTINCT Bus.bid, Schedule.sdate FROM Bus JOIN Schedule ON Bus.bid=Schedule.bid WHERE Bus.bloc='Vijayawada';

```
SQL> SELECT DISTINCT Bus.bid, Schedule.sdate FROM Bus
2 JOIN Schedule ON Bus.bid=Schedule.bid WHERE Bus.bloc='Vijayawada';
BID SDATE
5 04-JUN-21
```

9. Modify bid of passenger having fname as 'Burra' to 3.

> UPDATE Passenger SET bid=3 WHERE fname='Burra';

> SELECT * FROM Passenger;

```
SQL> UPDATE Passenger SET bid=3 WHERE fname='Burra';
1 row updated.
SQL> SELECT * FROM Passenger;
       PID FNAME LNAME
                                 PAGE P
                                                BID
                                   21 M
                                                  1
       101 Gudi
                  Prasad
       102 Sesha Pranav
103 Bandi Lakshmi
                                   19 M
                                                  2
                                                  3
                                   33 F
       104 Porika Rahul
                                   28 M
                                                  5
       105 Bandi Karuna
                                   8 F
       106 Burra Sujatha
                                   50 F
                                                 3
6 rows selected.
```

10. Alter table Passenger add column 'mobile' of NUMBER data type and insert values into this column only.

- > ALTER TABLE Passenger ADD mobile number(10);
- > UPDATE Passenger SET mobile=9391589364 WHERE pid=101;
- > UPDATE Passenger SET mobile=9715089301 WHERE pid=102;
- > UPDATE Passenger SET mobile=8091539340 WHERE pid=103;
- > UPDATE Passenger SET mobile=6300148711 WHERE pid=104;
- > UPDATE Passenger SET mobile=7386661270 WHERE pid=105;
- > UPDATE Passenger SET mobile=8844122571 WHERE pid=106;
- > SELECT * FROM Passenger;

```
SQL> ALTER TABLE Passenger ADD mobile number(10);
Table altered.
SQL> UPDATE Passenger SET mobile=9391589364 WHERE pid=101;
1 row updated.
SQL> UPDATE Passenger SET mobile=9715089301 WHERE pid=102;
SQL> UPDATE Passenger SET mobile=8091539340 WHERE pid=103;
1 row updated.
SQL> UPDATE Passenger SET mobile=6300148711 WHERE pid=104;
1 row updated.
SQL> UPDATE Passenger SET mobile=7386661270 WHERE pid=105;
1 row updated.
SQL> UPDATE Passenger SET mobile=8844122571 WHERE pid=106;
1 row updated.
SQL> SELECT * FROM Passenger;
       PID FNAME LNAME
                                 PAGE P
                                               BID
                                                        MOBILE
                                                 1 9391589364
       101 Gudi
                  Prasad
                                   21 M
                                                 2 9715089301
       102 Sesha
                  Pranav
                                   19 M
       103 Bandi Lakshmi
                                                 3 8091539340
4 6300148711
                                   33 F
       104 Porika Rahul
                                   28 M
       105 Bandi Karuna
106 Burra Sujatha
                                                 5 7386661270
                                   8 F
                                                 3 8844122571
                                   50 F
6 rows selected.
```

11. Alter table Passenger to modify the size of column 'mobile'.

> ALTER TABLE Passenger MODIFY mobile number(11);

```
SQL> ALTER TABLE Passenger MODIFY mobile number(11);
Table altered.
```

12. Modify the field name 'mobile' of Passenger table to 'phone'.

> ALTER TABLE Passenger RENAME COLUMN mobile TO phone;

> DESC Passenger;

```
SQL> ALTER TABLE Passenger RENAME COLUMN mobile TO phone;
Table altered.
SQL> DESC Passenger;
                                                Null?
Name
                                                           Type
 PID
                                                NOT NULL NUMBER(3)
VARCHAR2(6)
 FNAME
                                                           VARCHAR2(7)
 LNAME
                                                           NUMBER(2)
VARCHAR2(1)
 PAGE
 PSEX
 BID
                                                           NUMBER(1)
 PHONE
                                                           NUMBER(11)
```

13. Rename table 'Bus' as 'Vehicle'.

- > RENAME Bus TO Vehicle;
- > DESC Vehicle;

```
SQL> RENAME Bus TO Vehicle;

Table renamed.

SQL> DESC Vehicle;
Name Null? Type

BID NOT NULL NUMBER(1)
BDRIVER VARCHAR2(8)
BLOC VARCHAR2(10)
BCAP NUMBER(2)
```

14. Alter table Passenger remove column 'phone'.

- > ALTER TABLE Passenger DROP COLUMN phone;
- > DESC Passenger;

```
SQL> ALTER TABLE Passenger DROP COLUMN phone;
Table altered.
SQL> DESC Passenger;
                                             Null?
Name
                                                      Type
 PID
                                             NOT NULL NUMBER(3)
 FNAME
                                                      VARCHAR2(6)
                                                      VARCHAR2(7)
 LNAME
 PAGE
                                                      NUMBER(2)
 PSEX
                                                      VARCHAR2(1)
                                                      NUMBER(1)
BID
```

15. Create a table 'CopyOfVehicle' as a copy of the table Vehicle.

- > CREATE TABLE CopyOfVehicle AS SELECT * FROM Vehicle;
- > SELECT * FROM Vehicle;
- > SELECT * FROM CopyOfVehicle;

```
SQL> CREATE TABLE CopyOfVehicle AS SELECT * FROM Vehicle;
SQL> SELECT * FROM Vehicle;
        BID BDRIVER BLOC
                                                 BCAP
           1 Balraju Tirupati
                                                   92
           1 Balraju Tirupati
2 Veerayya Hyderabad
3 Kamalesh Hyderabad
4 Ratna Warangal
5 Bheemudu Vijayawada
6 Suri Guntur
6 rows selected.
SQL> SELECT * FROM CopyOfVehicle;
        BID BDRIVER BLOC
                                                 BCAP
           1 Balraju Tirupati
            2 Veerayya Hyderabad
           3 Kamalesh Hyderabad
4 Ratna Warangal
           5 Bheemudu Vijayawada
6 Suri Guntur
6 rows selected.
```

16. Delete all the rows from 'CopyOfVehicle' table.

- > DELETE FROM CopyOfVehicle;
- > SELECT * FROM CopyOfVehicle;

```
SQL> DELETE FROM CopyOfVehicle;
6 rows deleted.

SQL> SELECT * FROM CopyOfVehicle;
no rows selected
```

17. Remove 'CopyOfVehicle' table.

> DROP TABLE CopyOfVehicle;

SQL> DROP TABLE CopyOfVehicle;
Table dropped.

18. Display all the passengers in descending order based on their age.

> SELECT * FROM Passenger ORDER BY page DESC;

```
SQL> SELECT * FROM Passenger ORDER BY page DESC;
                                 PAGE P
                                               BID
       PID FNAME LNAME
                                   50 F
                                                 3
       106 Burra Sujatha
                  Lakshmi
                                   33 F
       103 Bandi
                                                 3
       104 Porika Rahul
                                   28 M
                                                 4
       101 Gudi
                                   21 M
                  Prasad
                                                 1
       102 Sesha
                  Pranav
                                   19 M
                                                 2
       105 Bandi
                                                 5
                  Karuna
                                    8 F
6 rows selected.
```

19. How many male, female and total passengers are travelling.

> SELECT COUNT(case when psex='M' then 1 end) as male, COUNT(case when psex='F' then 1 end) as female, COUNT(*) as total FROM Passenger;

```
SQL> SELECT

2    COUNT(case when psex='M' then 1 end) as male,

3    COUNT(case when psex='F' then 1 end) as female,

4    COUNT(*) as total

5    FROM Passenger;

MALE    FEMALE    TOTAL

3     3     6
```

20. Find the passenger Iname whose bus booking date was 25-05-2021.

> SELECT Passenger.Iname FROM Passenger JOIN Booking ON Passenger.pid=Booking.pid WHERE Booking.bodate='25-May-2021';

```
SQL> SELECT Passenger.lname FROM Passenger JOIN Booking
2 ON Passenger.pid=Booking.pid WHERE Booking.bodate='25-May-2021';

LNAME
-----
Karuna
Sujatha
```

21. Find the passenger Iname whose bus capacity is between or equal 80 and 100.

> SELECT Passenger.fname FROM Passenger JOIN Bus ON Passenger.bid=Bus.bid WHERE Bus.bcap>=80 AND Bus.bcap<=100;

```
SQL> SELECT Passenger.fname FROM Passenger JOIN Bus ON
2 Passenger.bid=Bus.bid WHERE Bus.bcap>=80 AND Bus.bcap<=100;

FNAME
-----
Gudi
Porika
```

22. Find the passenger fname and gender who have bus driver as 'Balraju'.

> SELECT Passenger.fname, Passenger.psex FROM Passenger JOIN Bus ON Passenger.bid=Bus.bid WHERE Bus.bdriver='Balraju';

```
SQL> SELECT Passenger.fname, Passenger.psex FROM Passenger JOIN
2 Bus ON Passenger.bid=Bus.bid WHERE Bus.bdriver='Balraju';

FNAME P
-------
Gudi M
```

23. Display sdate of all busses in the format 'DDthMonthYYYY'.

> SELECT TO_CHAR(sdate, 'DDth Month YYYY') AS DDth_Month_YYYY FROM Schedule;

```
SQL> SELECT TO_CHAR(sdate, 'DDth Month YYYY') AS DDth_Month_YYYY FROM Schedule;

DDTH_MONTH_YYYY

27TH May 2021
24TH May 2021
31ST May 2021
04TH June 2021
04TH June 2021
10TH June 2021
6 rows selected.
```

24. Display bus driver names whose bus is scheduled on or before 4th June 2021.

> SELECT Bus.bdriver FROM Bus JOIN Schedule ON Bus.bid=Schedule.bid WHERE Schedule.sdate<='04-JUNE-2021';

```
SQL> SELECT Bus.bdriver FROM Bus JOIN Schedule ON
2 Bus.bid=Schedule.bid WHERE Schedule.sdate<='04-JUNE-2021';

BDRIVER
-----
Balraju
Veerayya
Kamalesh
Ratna
Bheemudu
```

25. Display passenger fname, Iname whose destination is to 'Koti'.

> SELECT Passenger.fname, Passenger.lname FROM Passenger JOIN Schedule ON Passenger.bid=Schedule.bid JOIN Place ON Schedule.sid=Place.sid WHERE Place.name='Koti';

26. Display the bus driver name that starts with 'B'.

> SELECT bdriver FROM Bus WHERE bdriver LIKE 'B%';

```
SQL> SELECT bdriver FROM Bus WHERE bdriver LIKE 'B%';

BDRIVER
-----
Balraju
Bheemudu
```

27. Display the bus driver name that ends with 'a'.

> SELECT bdriver FROM Bus WHERE bdriver LIKE '%a';

```
SQL> SELECT bdriver FROM Bus WHERE bdriver LIKE '%a';
BDRIVER
-----
Veerayya
Ratna
```

28. Display all the names of passengers whose bus driver with any of the following bid 2, 3.

> SELECT Passenger.pid, Passenger.fname, Passenger.lname FROM Passenger JOIN Bus ON Passenger.bid=Bus.bid WHERE Bus.bid=2 OR Bus.bid=3;

```
SQL> SELECT Passenger.pid, Passenger.fname, Passenger.lname FROM Passenger
2 JOIN Bus ON Passenger.bid=Bus.bid WHERE Bus.bid=2 OR Bus.bid=3;

PID FNAME LNAME

102 Sesha Pranav
103 Bandi Lakshmi
106 Burra Sujatha
```

29. Display all the location names in Place table in UPPER CASE and in lower case.

> SELECT UPPER(name) AS Caps, LOWER(name) AS Small FROM Place;

```
SQL> SELECT UPPER(name) AS Caps, LOWER(name) AS Small FROM Place;

CAPS SMALL

TIRUMALA tirumala

KOTI koti

KOTI koti

KAZIPET kazipet

KANDRIKA kandrika

BRODIPET brodipet

6 rows selected.
```

30. Display the first three characters and last three of names in the Place table using substring function.

> SELECT SUBSTR(name,1,3) AS first, SUBSTR(name,-3) AS last FROM Place;

```
SQL> SELECT SUBSTR(name,1,3) AS first, SUBSTR(name,-3) AS last FROM Place;
FIRST
             LAST
Tir
            ala
Kot
             oti
             oti
Kot
             pet
Kaz
             ika
Kan
Bro
             pet
6 rows selected.
```

31. Display the substring of the bloc (starting from 2nd position to 5th position) of all in Bus table.

> SELECT SUBSTR(bloc,2,5) AS subloc FROM Bus;

```
SQL> SELECT SUBSTR(bloc,2,5) AS subloc FROM Bus;

SUBLOC

irupa
ydera
ydera
arang
ijaya
untur

6 rows selected.
```

32. Display sdate on adding five months to it.

> SELECT sdate AS before, TRUNC(ADD_MONTHS(sdate, 5)) AS After FROM Schedule;

33. Display longitude of all the locations rounded to 3 decimals.

> SELECT ROUND(longitude, 3) AS roundoff FROM Place;

34. Find the last day and next day of the month in which each passenger has booked a bus.

> SELECT LAST_DAY(bodate) AS lastday, NEXT_DAY(bodate, 1) AS nextday FROM Booking;

```
SQL> SELECT LAST_DAY(bodate) AS lastday,
2 NEXT_DAY(bodate, 1) AS nextday FROM Booking;

LASTDAY NEXTDAY
-------
31-MAY-21 16-MAY-21
31-MAY-21 09-MAY-21
31-MAY-21 30-MAY-21
30-JUN-21 06-JUN-21
31-MAY-21 30-MAY-21
31-MAY-21 30-MAY-21
6 rows selected.
```

35. Print a substring from the string 'Varaprasad'.

> SELECT SUBSTR('VARAPRASAD',5,10) AS gvp FROM dual;

```
SQL> SELECT SUBSTR('VARAPRASAD',5,10) AS gvp FROM dual;
GVP
-----
PRASAD
```

36. Replace the string 'Vara' from 'Varaprasad' by 'Hari'.

> SELECT REPLACE('VARAPRASAD','VARA','HARI') AS gvp FROM dual;

```
SQL> SELECT REPLACE('VARAPRASAD','VARA','HARI') AS gvp FROM dual;

GVP

-----
HARIPRASAD
```

37. Print the length of all the location names.

> SELECT location, LENGTH(location) AS length FROM Place;

```
SQL> SELECT location, LENGTH(location) AS length FROM Place;
LOCATION
               LENGTH
Tirupati
                    8
Hyderabad
                    9
Hyderabad
                    9
Warangal
                    8
Vijayawada
                    10
Guntur
                    6
6 rows selected.
```

38. Print the booking date in the format 2021/05/25.

> SELECT TO DATE(bodate, 'YYYY/MM/DD') AS format FROM Booking;

```
SQL> SELECT TO_DATE(bodate, 'YYYYY/MM/DD') AS format FROM Booking;

FORMAT
------
21-MAY-10
21-MAY-07
21-MAY-28
21-JUN-01
21-MAY-25
21-MAY-25
6 rows selected.
```

39. Display the date after 6 months from current date.

> SELECT SYSDATE AS before, TRUNC(ADD_MONTHS(SYSDATE, 6)) AS After FROM dual;

40. Display the next occurrence of Monday in this month.

> SELECT SYSDATE AS before, NEXT_DAY(SYSDATE, 'Monday') AS After FROM dual;

```
SQL> SELECT SYSDATE AS before, NEXT_DAY(SYSDATE, 'Monday') AS After FROM dual;

BEFORE AFTER

26-MAY-21 31-MAY-21
```

41. How many different locations are there in Place table.

> SELECT COUNT(DISTINCT location) FROM Place;

```
SQL> SELECT COUNT(DISTINCT location) FROM Place;
COUNT(DISTINCTLOCATION)
------5
```

42. For each location display minimum and maximum age of passenger travelling.

> SELECT MAX(Passenger.page) AS maximum, MIN(Passenger.page) AS mimimum FROM Passenger JOIN Schedule ON Passenger.bid=Schedule.bid JOIN Place ON Schedule.sid=Place.sid GROUP BY location;

```
SQL> SELECT MAX(Passenger.page) AS maximum, MIN(Passenger.page) AS mimimum
2 FROM Passenger JOIN Schedule ON Passenger.bid=Schedule.bid
3 JOIN Place ON Schedule.sid=Place.sid GROUP BY location;

MAXIMUM MIMIMUM

21 21
8 8
50 19
28 28
```

43. Print the average bus capacity.

> SELECT AVG(bcap) AS average FROM Bus;

44. Count the number of passengers over 20 age.

> SELECT COUNT(DISTINCT page) FROM Passenger WHERE page>20;

```
SQL> SELECT COUNT(DISTINCT page) FROM Passenger WHERE page>20;
COUNT(DISTINCTPAGE)
-----4
```

45. Print the passenger Iname whose bus scheduled is today.

> SELECT Passenger.Iname FROM Passenger JOIN Schedule ON Passenger.bid=Schedule.bid WHERE Schedule.sdate=SYSDATE;

```
SQL> SELECT Passenger.lname FROM Passenger JOIN Schedule ON
2 Passenger.bid=Schedule.bid WHERE Schedule.sdate=SYSDATE;
no rows selected
```

46. Create a view to display the place details whose booking is on 25-05-2021

> CREATE TABLE new_booking AS SELECT Place.plid, Place.name, Place.location, Place.latitude, Place.longitude FROM Place JOIN Booking ON Place.plid=Booking.plid WHERE Booking.bodate='25-May-2021';

> SELECT * FROM new_booking;

```
SQL> CREATE TABLE new_booking AS SELECT Place.plid, Place.name,

2 Place.location, Place.latitude, Place.longitude FROM Place

3 JOIN Booking ON Place.plid=Booking.plid WHERE Booking.bodate='25-May-2021';

Table created.

SQL> SELECT * FROM new_booking;

PLID NAME LOCATION LATITUDE LONGITUDE

15 Kandrika Vijayawada 133.570188 133.570188

16 Brodipet Guntur -20.257808 27.1256
```

47. Create a logical table to store required details who booked a bus capacity more than 80.

> CREATE TABLE new_bus AS SELECT Passenger.pid, Passenger.fname, Passenger.lname, Passenger.page, Passenger.psex, Bus.bcap FROM Passenger JOIN Bus ON Passenger.bid=Bus.bid WHERE Bus.bcap>80;

```
> SELECT * FROM new_bus;
```

```
SQL> CREATE TABLE new_bus AS SELECT Passenger.pid, Passenger.fname,

2  Passenger.lname, Passenger.page, Passenger.psex, Bus.bcap

3  FROM Passenger JOIN Bus ON Passenger.bid=Bus.bid WHERE Bus.bcap>80;

Table created.

SQL> SELECT * FROM new_bus;

PID FNAME LNAME PAGE P BCAP

101 Gudi Prasad 21 M 92
104 Porika Rahul 28 M 84
```

48. Create a table to store the passenger details based on booking date.

> CREATE TABLE new_passenger AS SELECT Passenger.pid, Passenger.fname, Passenger.lname, Passenger.page, Passenger.psex, Booking.bodate FROM Passenger JOIN Booking ON Passenger.pid=Booking.pid;

> SELECT * FROM new_passenger;

```
SQL> CREATE TABLE new_passenger AS SELECT Passenger.pid, Passenger.fname,
    Passenger.lname, Passenger.page, Passenger.psex, Booking.bodate
 3 FROM Passenger JOIN Booking ON Passenger.pid=Booking.pid;
Table created.
SQL> SELECT * FROM new_passenger;
      PID FNAME LNAME
                               PAGE P BODATE
                              21 M 10-MAY-21
19 M 07-MAY-21
                 Prasad
       101 Gudi
      102 Sesha Pranav
103 Bandi Lakshmi
                                 33 F 28-MAY-21
      104 Porika Rahul
                                 28 M 01-JUN-21
       105 Bandi Karuna
                                  8 F 25-MAY-21
      106 Burra Sujatha
                                 50 F 25-MAY-21
6 rows selected.
```

49. Print the bus driver name corresponding passenger name and his destination who booked a bus on 28-05-2021.

> SELECT Bus.bdriver, Passenger.Iname, Place.name FROM Bus JOIN Passenger ON Bus.bid = Passenger.bid JOIN Booking ON Booking.pid = Passenger.pid JOIN Place ON Booking.plid=Place.plid WHERE Booking.bodate = '28-MAY-2021':

50. Display all details who is travelling to place 'Kazipet' and when and when is it booked?

> SELECT Passenger.pid, Passenger.lname, Bus.bid, Place.name, Schedule.sdate, Booking.bodate FROM Bus JOIN Passenger ON Bus.bid = Passenger.bid JOIN Schedule ON Passenger.bid = Schedule.bid JOIN Place ON Schedule.sid=Place.sid JOIN Booking ON Place.plid=Booking.plid WHERE Place.name='Kazipet';

```
SQL> SELECT Passenger.pid, Passenger.lname, Bus.bid, Place.name,

2 Schedule.sdate, Booking.bodate FROM Bus JOIN Passenger ON

3 Bus.bid = Passenger.bid JOIN Schedule ON

4 Passenger.bid = Schedule.bid JOIN Place ON Schedule.sid=Place.sid JOIN

5 Booking ON Place.plid=Booking.plid WHERE Place.name='Kazipet';

PID LNAME

BID NAME

SDATE

BODATE

104 Rahul

4 Kazipet 04-JUN-21 01-JUN-21
```