

1) Salesman table :-

Snum	Sname	City	Commission
1001	PIYUSH	LONDON	12%
1002	MIRAJ	SURAT	13%
1003	MITI	LONDON	11%
1004	RAJESTH	BARODA	15%
1005	AMAND	NEW DELHI	10%
1006	RAM	PATAN	10%
1007	LAXMAN	BOMBAY	09%

Snum :- A unique number assign to each Salesman.

Sname :- The name of salesman.

City :- The location of salesman.

Commission :- The salesman Commission on order.

* Create table :-

```
create table Salesman31
(
    Snum    number(4),
    Sname   char(30),
    City    char(10),
    Commission number(2)
);
```

* Insert records into table :-

==> insert into Salesman31

values
(1001, 'PIYUSH', 'LONDON', 12);

=> insert into salesman31
values
(1002, 'NIRAJ', 'SURAT', 13);

=> insert into salesman31
values
(1003, 'MITI', 'LONDON', 11);

=> insert into salesman31
values
(1004, 'RAJESH', 'BARODA', 15);

=> insert into salesman31
values
(1005, 'AMAND', 'NEW DELHI', 10);

=> insert into salesman31
values
(1006, 'RAM', 'PATAN', 10);

=> insert into salesman31
values
(1007, 'LAXMAN', 'BOMBAY', 09);

Commit;

2) Customer table :-

CNUM.	CNAME	CITY	RATING	SNUM.
2001	HARDIK	LONDON	100	1001
2002	GITA	ROME	200	1003
2003	LAXIT	SURAT	200	1002
2004	GROVIND	BOMBAY	300	1002
2005	CHANDU	LONDON	100	1001
2006	CHAMPAK	SURAT	300	1007
2007	PRATIK	ROME	100	1004

CNUM :- A unique number assign to each customer.

CNAME :- The name of customer

CITY :- The location of customer.

RATING :- A level of preference indicator given to this customer

SNUM :- A Salesman number assign to this customer

* Create table ↴

Create table customer31

```

CNUM    number(4),
CNAME   char(30),
CITY    char(10),
RATING  number(3),
SNUM    number(4)
);

```

★ Insert records into table :-

insert into customer31
values
(2001, 'HARDIK', 'LONDON', 100, 1001);

insert into customer31
values
(2002, 'GITA', 'ROME', 200, 1003);

insert into customer31
values
(2003, 'LAXIT', 'SURAT', 200, 1002);

insert into customer31
values
(2004, 'GROVIND', 'BOMBAY', 300, 1002);

insert into customer31
values
(2005, 'CHANDU', 'LONDON', 100, 1001);

insert into customer31
values
(2006, 'CHAMPAK', 'SURAT', 300, 1007);

insert into customer31
values
(2007, 'PRATIK', 'ROME', 100, 1004);

Commit;

3) Orders table :-

<u>ONUM</u>	<u>AMOUNT</u>	<u>ODATE</u>	<u>CNUM</u>	<u>SNUM</u>
3001	18.69	10/03/99	2008	1007
3002	767.19	10/03/99	2001	1001
3003	1900.10	10/03/99	2007	1004
3004	5160.45	10/03/99	2003	1002
3005	1098.25	10/04/99	2008	1007
3006	1713.12	10/04/99	2002	1003
3007	75.75	10/05/99	2004	1002
3008	4723.00	10/05/99	2006	1001
3009	1309.95	10/05/99	2004	1002
3010	9898.87	10/06/99	2006	1001

ONUM :- A unique number assign to each order.

AMOUNT :- Amount of order in Rs.

ODATE :- The date of order

CNUM :- The number of customer making the order.

SNUM :- The number of Salesman credited with the sale.

* Create table :-

Create table orders31

```

    ONUM      number(4),
    AMOUNT    number(4),
    ODATE     date,
    CNUM      number(4),
    SNUM      number(4)
);
  
```

★ Insert records into table \downarrow

insert into orders31

values

(3001, 18.69, '10-mar-99', 2008, 1007);

insert into orders31

values

(3002, 767.19, '10-mar-99', 2001, 1001);

insert into orders31

values

(3003, 1900.10, '10-mar-99', 2007, 1004);

insert into orders31

values

(3004, 5160.45, '10-mar-99', 2003, 1002);

insert into orders31

values

(3005, 1098.25, '10-apr-99', 2008, 1007);

insert into orders31

values

(3006, 1713.12, '10-apr-99', 2002, 1003);

insert into orders31

values

(3007, 75.75, '10-may-99', 2004, 1002);

insert into orders31

values

(3008, 4723.00, '10-may-99', 2006, 1001);

insert into orders31

values

(3009, 1309.95, '10-may-99', 2004, 1002);

insert into orders31

values

(3010, 9898.87, '10-jun-99', 2006, 1001);

Commit;

);

);

);

);

Query

Que: 1] Produce the order no, amount and date of all orders.

Query :-

Select ORNUM, AMOUNT, ODATE from
orders31;

Output :-

<u>ORNUM</u>	<u>AMOUNT</u>	<u>ODEATE</u>
3001	18.69	10-MAR-99.
3002	767.19	10-MAR-99
3003	1900.10	10-MAR-99
3004	5160.45	10-MAR-99
3005	1098.25	10-APR-99
3006	1713.12	10-APR-99
3007	75.75	10-MAY-99
3008	4723.00	10-MAY-99
3009	1309.95	10-MAY-99
3010	9898.67	10-JUN-99.

10 rows Selected.

Que: 2] Give all the information about all the customers with salesnum no. 1001.

Query :-

SQL> select * from customer31 where
Snum = 1001;

Output :-

CNUM	CNAME	CITY	RATING	SNUM.	11
2001	HARDIK.	LONDON	100	1001	
2005	CHANDU	LONDON	100	1001	

2 rows selected.

Ques:3] Display the information in the sequence of city, Sname, Snum, Commission.

Query :-

SQL > Select CITY, SNAME, SNUM, COMMISSION
from Salesman3;

Output :-

CITY	SNAME	SNUM	COMMISSION
LOMDOY	PIYUSH	1001	12
SURAT	MIRAJ	1002	13
LOMDOY	MITI	1003	11
BARODA	RAJESH	1004	15
NEW DELHI	AMAND	1005	10
PATAN	RAM	1006	10
BOMBAY	LAXMAN	1007	09.

7 rows selected.

Ques:4] List of rating followed by the name of each customer in Surat.

Query :-

SQL > Select CNAME, RATING from
Customer31 where city = 'SURAT';

Output :-

CNAME	RATING
-------	--------

LAXIT	200
CHAMPAK	300

2 rows selected.

Ques:- List of Snum of all Salesmen
in orders in order table without
Duplicates.

Query :-

SQL > Select DISTINCT(CSNUM) from
Orders31;

Output :-

SNUM

1001

1002

1003

1004

1007

5 rows selected

Ques. 6] List of all orders for more than Rs. 100.

Query :-

SQL > Select * from orders31 where amount > 1000;

Output :-

ONUM	AMOUNT	ODATE	CNUM	SNUM
3003	1900.10	10-MAR-99	2007	1004
3004	5160.45	10-MAR-99	2003	1002
3005	1098.25	10-APR-99	2007	1007
3006	1713.12	10-APR-99	2002	1003
3008	4723.00	10-MAY-99	2006	1001
3009	1309.95	10-MAY-99	2004	1002
3010	9898.87	10-JUN-99	2006	1001

7 rows selected.

Ques. 7] List out names & cities of all Salesmen in London with commission above 10%.

Query :-

SQL > Select SNAME, CITY, from Salesman31 where CITY = 'LONDON' and COMMISSION > 10;

Output :-

SNAME	CITY
PIYUSH	LONDON
MITI	LONDON

Que: 8] List all customers excluding those with rating <= 100 or they are located in Rome.

Query :-

SQL> Select * from customer31 where RATING <= 100 or CITY = 'ROME';

Output :-

CNUM	CNAME	CITY	RATING	SNUM
2001	HARDIK	LODOND	100	1001
2002	GITA	ROME	200	1003
2005	CHAMDU	LODOND	100	1001
2007	PRATIK	ROME	100	1004

4 rows Selected.

Que: 9] List all orders for more than Rs. 1000 except the orders of Snum , 1006 of 10/03/99.

Query :-

SQL> Select * from orders31 where AMOUNT > 1000 and ODATE = '10-MAR-99';

Output :-

ONUM	AMOUNT	ODATE	CNUM	SNUM
3002	767	10-MAR-99	2001	1001
3003	1900	10-MAR-99	2007	1004
3004	5160	10-MAR-99	2003	1002

3 rows Selected.

Ques: 10] List all orders taken on October 3rd on 4th or 6th 1999.

Query :-

SQL > Select * from orders31 where ODATE = '10-MAR-99' OR ODATE = '10-APR-99' OR ODATE = '10-JUN-99';

Output :-

ONUM	AMOUNT	ODATE	CNUM	SNUM
3001	18.69	10-MAR-99	2007	1007
3002	767.19	10-MAR-99	2001	1001
3003	1900.1	10-MAR-99	2007	1004
3004	5160.45	10-MAR-99	2003	1002
3005	1098.25	10-APR-99	2007	1007
3006	1713.12	10-APR-99	2002	1003
3010	9898.87	10-JUN-99	2006	1001

7 rows Selected.

Ques: 11] List all customers whose names begin with a letter 'C'.

Query :-

SQL > Select * from customer31 where CNAME LIKE 'C%';

Output :-

CNUM	CNAME	CITY	RATING	SNUM
2005	CHANDU	LONDON	100	1001
2006	CHAMPAK	SURAT	300	1007

Que:12] List all customers whose names begins with a letter 'A' to 'G'.

Query :-

SQL > Select * from customer31 where CNAME LIKE 'A%' OR CNAME LIKE 'B%' OR CNAME LIKE 'C%' OR CNAME LIKE 'D%' OR CNAME LIKE 'E%' OR CNAME LIKE 'F%' OR CNAME LIKE 'G%';

Output :-

CMUM	CNAME	CITY	RATING	SNUM
2002	GITA	ROME	200	1003
2004	GROVIND	BOMBAY	300	1002
2005	CHAMDU	LONDON	100	1001
2006	CHAMPAK	SURAT	300	1007

4 rows Selected

Que:13] List all orders with zero or NULL amount.

Query :-

SQL > Select * from orders31 where amount = 0 or amount is NULL;

Output :-

No rows Selected.

Que:14] Find out the largest order of salesman 1002 & 1007.

Query :-

SQL > Select SNUM, MAX(AMOUNT) from
orders31 where SNUM = 1002 or SNUM = 1007
Group by SNUM;

Output :-

SNUM	MAX(AMOUNT)
1002	5160.45
1007	1098.25

2 rows selected.

Que: 15] Count all orders of 10-Mar-99.

Query :-

SQL > Select COUNT(CNUM) from orders31
where ODATE = '10-MAR-99';

Output :-

COUNT(CNUM)

4

Que: 16] Calculate the total amount order.

Query :-

SQL > Select SUM(AMOUNT) from orders31;

Output :-

SUM(AMOUNT)

26665.37.

Ques: 17] Calculate the average amount order.

Query :-

SQL > Select AVG(AMOUNT) from orders31;

Output :-

AVG(AMOUNT)

2666.537.

Ques: 18] Find the number of Salesman currently having orders.

Query :-

SQL > Select COUNT(DISTINCT SNUM) from orders31 where AMOUNT is NULL;

Output :-

COUNT(DISTINCT SNUM)

5.

Ques: 19] Find the largest order taken by each Salesman on each date.

Query :-

SQL> Select ODATE, MAX(AMOUNT) from orders31,
group by ODATE;

Output :-

<u>ODATE</u>	<u>MAX (AMOUNT)</u>
10-MAY-99	4723
10-JUN-99	9899
10-APR-99	1713
10-MAR-99	5160.

4 rows selected.

Ques:- Find the largest order taken by each
Salesman on 10-Mar-99.

Query :-

SQL> select SNUM, MAX(AMOUNT) from orders31
where ODATE = '10-MAR-99' group by SNUM;

Output :-

<u>SNUM</u>	<u>MAX (AMOUNT)</u>
1001	764.19
1002	5160.45
1004	1900.10
1007	18.69

4 rows selected.

Que: 21] Count the No. of different Not Null cities in the customer table.

Query :-

SQL> select COUNT(CITY) from customer31 where CITY is NOT NULL;

Output :-

COUNT(CITY)

7

Que: 22] Find out each customer's smallest order.

Query :-

SQL> Select SNUM, MIN(AMOUNT) from orders31 group by SNUM;

Output :-

SNUM MIN(AMOUNT)

1001	767.19
1002	75.75
1003	1713.12
1004	1900.10
1004	18.69

5 rows Selected.

Que: 23] Find out each customer in alphabetical order whose name begins with 'C'.

Query :

SQL > Select * from customer31 where cNAME LIKE '%G%' order by cNAME;

Output :

CNUM	CNAME	CITY	RATING	SNUM
2002	GITA	ROME	200	1003
2004	GOVIND	BOMBAY	300	1002

2 rows selected

Ques: 24] Count the No. of Salesmen Registering order for each day.

Query :

SQL > Select ODATE, COUNT(SNUM) from orders3 group by ODATE;

Output :

ODATE	COUNT(SNUM)
-------	-------------

10 - MAR - 99	4
10 - APR - 99	2
10 - MAY - 99	3
10 - JUN - 99	1

4 rows Selected

Ques: 25] List all Salesman with their % of Commis

Query :-

SQL > Select SNUM, COMMISSION 11% from salesman31;

Output :-

SNUM	COMMISSION 11%
------	----------------

1001	12%
1002	13%
1003	11%
1004	15%
1005	10%
1006	10%
1007	09%

7 rows Selected

Que: 27 Assume all salesperson has 12% commission write a query on the order table that will produce the order number, Salesman number, amount of commission for that order.

Query :-

SQL > Select ONUM, SNUM, AMOUNT * 0.12 from orders31;

Output :-

ONUM	SNUM	AMOUNT * 0.12
------	------	---------------

3001	1007	2.2428
3002	1001	92.0628

21

3003	1004	228.012
3004	1002	619.254
3005	1007	131.79
3006	1003	205.5744
3007	1002	09.09
3008	1001	566.76
3009	1002	157.194
3010	1001	1187.8644

10 rows selected.

Que.28] Find the highest rating in each city.Query :-

SQL> Select CITY, MAX(RATING) from
customers31 group by CITY;

Output :-

CITY	MAX(RATING)
LONDON	100
ROME	200
SURAT	300
BOMBAY	300

4 rows selected.

Que.29] List all customer in descending order of rating.Query :-

SQL> Select * from customers31 order by
rating DESC;

Output :-

CNUM	CNAME	CITY	RATING	SMUM
2004	GUVIND	BOMBAY	300	1002
2006	CHAMPAK	SURAT	300	1007
2002	GITA	ROME	200	1003
2003	LAXIT	SURAT	200	1002
2001	HARDIK	LONDON	100	1001
2005	CHANDU	LONDON	100	1001
2007	PRATIK	ROME	100	1001

7 rows selected.

que: 30] Calculate the total amount of order for each day.

Query :-

SQL> Select ODATE , SUM(AMOUNT) "TOTAL" from orders31 group by ODATE;

Output :-

ODATE	TOTAL
10-MAR-99	7846.43
10-APR-99	2811.37
10-MAY-99	6108.70
10-JUN-99	9898.87

4 rows selected.

que: 31] Show the name of all customer with their Salesman's name.

Query :

SQL> Select c.CNAME, s.SNAME from customers
c, salesmans1 s where c.SNUM = s.SNUM

Output :

CNAME	SNAME
HARDIK	PIYUSH
GITA	MITI
LAXIT	MIRAJ
GONIND	MIRAJ
CHANDU	PIYUSH
CHAMPAK	LAXMAN
PRATIK	RAJESH

7 rows selected.

Que:32 List all customer & salesman who shared same city.

Query :

SQL> Select s.SNAME, c.CNAME from customers1
Salesmans1 s where s.SNUM = c.SNUM
and s.CITY = c.CITY;

Output :

SNAME	CNAME
PIYUSH	HARDIK
PIYUSH	CHANDU

2 rows selected.

Ques: 33]

List all orders with their name of customer & salesman.

Query :-

SQL> Select o.ONUM, o.AMOUNT, s.SNAME,
c.CNAME from orders31 o, customers31 c,
Salesmum31 s where o.ONUM = s.SNUM
and o.CNUM = c.CNUM;

Output :-

ONUM	AMOUNT	SNAME	CNAME
3002	767	PIYUSH	HARDIK
3003	1900	RAJESH	PRATIK
3004	5160	NIRAJ	LAXIT
3006	1713	MITI	KITA
3007	76	NIRAJ	GROVIND
3008	6723	PIYUSH	CHAMPAK
3009	1310	NIRAJ	GROVIND
3010	9899	PIYUSH	CHAMPAK.

8 rows selected.

Ques: 34

List all orders by the customer not located in the same city as their salesman.

Query :-

SQL> Select o.* from orders31 o, customers31 c,
Salesmum31 s where s.SNUM = o.SNUM
and c.CNUM = o.CNUM and c.CITY != s.CITY;

Output :-

	<u>O_NUM</u>	<u>AMOUNT</u>	<u>ODATE</u>	<u>C_NUM</u>	<u>S_NUM</u>
	3003	1900	10-MAR-99	2007	1004
	3004	5160	10-MAR-99	2003	1002
	3006	1713	10-MAR-99	2002	1003
	3007	76	10-MAY-99	2004	1002
	3008	4723	10-MAY-99	2006	1001
	3009	1310	10-MAY-99	2004	1002
	3010	9899	10-JUN-99	2006	1001

7 rows Selected.

Ques 35 List all customer serviced by salesman with Commission above 12%.

Query :-

SQL> Select c.* from customers1 c, salesmans3
where c.SNUM = s.SNUM and s.COMMISSION >

Output :-

	<u>C_NUM</u>	<u>C_NAME</u>	<u>CITY</u>	<u>RATING</u>	<u>S_NUM</u>
	2003	LAXIT	SURAT	200	1002
	2004	GOVIND	BOMBAY	300	1002
	2004	PRATIK	ROME	100	1004

3 rows Selected.

Ques 36 Calculate the amount of the commission on each order by customer with rating above 100.

Query :-

SQL> Select o.AMOUNT, o.AMOUNT * s.COMMISSION / 100 "COMMISSION" from Salesman3 s, customer3 c, orders3 o where s.SNUM = o.SNUM and c.CNUM = o.CNUM and c.RATING > 100;

Output :-

AMOUNT	COMMISSION
--------	------------

5160	670.8
1713	188.43
76	9.88
4723	566.76
1310	170.3
9899	1187.88

6 rows selected.

Ques:- Find all pair of customer having the same rating without duplication.

Query :-

SQL> Select c.CNAME, d.CNAME from customer3 c, customer3 d where c.RATING = d.RATING and c.CNUM > d.CNUM;

Output :-

CNAME	CNAME
-------	-------

LAXIT	RITA
CHANDU	HARDIK

CHAMPAK	GROVIND
PRATIK	HARDIK
PRATIK	CHANDU

5 rows selected.

Ques: 38 List all customer located in cities where Salesman Miraj has customer.

Query :-

```
SQL> Select a.CNAME, a.CITY from customers1
      a, salesmans1 b where b.SNAME =
      'MIRAJ' and a.CITY = b.CITY;
```

Output :-

CNAME	CITY
LAXIT	SURAT
CHAMPAK	SURAT

2 rows selected.

Ques: 39 Find all pair of customer served by a single salesman with salesman's name & no.

Query :-

```
SQL> Select SNAME, A.CNAME, B.CNAME from
      salesmans1, customers1 A, customers1 B
      where A.SNUM = B.SNUM and SNUM =
      A.SNUM and A.CNUM > B.CNUM;
```

Output :-

SNAME CNAME CNAME

PIYUSH	CHANDU	HARDIK
NIRAJ	GROVIND	LAXIT.

2 rows selected.

Ques: 40 List all Salesman who are living in the same city without duplicate rows.

Query :-

SQL> Select A.SNAME , B.SNAME from Salesmen31 A, Salesmen31 B where A.CITY = B.CITY and A.SNUM < B.SNUM;

Output :-

SNAME SNAME

PIYUSH	MITI
--------	------

1 row selected.

Mitesh
30/09/2013

Que: 41 produce the name & city of all customer with same Rating as Hardik

Query :-

SQL> Select A.CNAME, A.CITY from Customers1 F
Customers1 B where B.CNAME = 'HARDIK'
and A.RATING = B.RATING;

Output :-

CNAME	CITY
HARDIK	LONDON
CHANDU	LONDON
PRATIK	ROME

3 rows Selected.

Que: 42 Extract all orders of Miti.

Query :-

SQL> Select A.ONUM, A.AMOUNT, A.ODATE, A.CMUR
from orders1 A, salesmen1 B where
B.SNAME = 'MITI' and A.SNUM = B.SNUM

Output :-

ONUM	AMOUNT	ODATE	ONUM
3006	1713.12	10-APR-99	2002

1 row selected.

Ques 43 Extract all orders of Baroda's Salesman.

Query :-

SQL> Select A.ONUM, A.AMOUNT, A.ODEATE, A.SNUM,
A.CNUM from orders31 A, Salesmen31 B,
where A.SNUM = B.SNUM and B.CITY =
'BARODA';

Output :-

ONUM	AMOUNT	ODEATE	SNUM	CNUM
3003	1900.1	10-MAR-99	1004	2007.

1 row selected

Ques 44 Find all orders of the Salesman who services 'Hardik'.

Query :-

SQL> Select * from orders31 where SNUM IN
(Select SNUM from customers31 where
CNAME = 'HARDIK');

Output :-

ONUM	AMOUNT	ODEATE	CNUM	SNUM
3002	367.19	10-MAR-99	2001	1001
3008	4723	10-MAY-99	2006	1001
3010	9898.87	10-JUN-99	2006	1001

3 rows selected

Ques 45 List all orders that are greater than Average of April 10, 1999.

Query :

SQL> Select * from orders31 where AMOUNT > (Select AVG(AMOUNT) from orders31 where ODATE = '10-APR-99');

Output :

ONUM	AMOUNT	ODATE	CNUM	SNUM
3003	1900.1	10-MAR-99	2007	1004
3004	5160.45	10-MAR-99	2003	1002
3006	1713.12	10-APR-99	2002	1003
3008	4723	10-MAY-99	2006	1001
3010	9898.87	10-JUN-99	2006	1001

5 rows Selected

Ques 46 Find all orders attributed to Salesman In 'LONDON'.

Query :

SQL> Select * from orders31 where SNUM IN (Select SNUM from Salesman31 where city = 'LONDON');

Output :

ONUM	AMOUNT	ODATE	CNUM	SNUM
3002	767.19	10-MAR-99	2001	1001
3006	1713.12	10-APR-99	2002	1003

3008	4723	10-MAY-99	2006	1001
3010	9898.87	10-JUN-99	2006	1001

4 rows Selected.

Ques 47 List the Commission of all Salesman serving customer in 'London'.

Query :-

SQL> Select COMMISSION from Salesman31
Where SNUM IN (Select SNUM from customers31 where CITY = 'LONDON');

Output :-

COMMISSION

12

I now selected.

Ques 48 Find all Customer whose Snum is 1000 above than the snum of Minal.

Query :-

SQL> Select * from customers31 where CNUM =
(Select SNUM + 1000 from Salesman31
where SNAME = 'MIRAJ');

Output :-

CNUM	CNAME	CITY	RATING	SNUM
------	-------	------	--------	------

2002

GITA ROME 200

1003

I now Selected

Ques: 49

Count the number of customer with rating above than the average of 'surat'.

Query :

SQL> Select * from customer31 where RATING >
 (Select AVG(RATING) from customer31
 where CITY = 'SURAT');

Output :

CNUM	CNAME	CITY	RATING	SNUM
2004	GROYMD	BOMBAY	300	1002
2006	CHAMPAK	SURAT	300	1007

2 rows Selected

Ques: 50

List all orders of the customer 'chandresh'.

Query :

SQL> Select * from orders31 where CNUM IN
 (Select cnum from customer31 where
 CNAME = 'CHANDRESH');

Output :

No rows Selected.

Ques: 51 produce the name and rating of all customer who have above average orders.

Query :

SQL> Select CNAME, RATING from customer31

where CNUM IN (Select distinct CNUM
from orders31 where AMOUNT > (Select
AVG(AMOUNT) from orders31));

Output :-

CNAME	RATING
CHAMPAK	300
LAXIT	200

2 rows Selected.

que:-52 Find all customer with orders on
10-MAR-99 using correlate sub query.

Query :-

SQL> Select * from customers31 where CNUM
IN (Select CNUM from orders31 where
ODATE = '10-MAR-99');

Output :-

CNUM	CNAME	CITY	RATING	SNUM
2001	HARDIK	LOMDON	100	1001
2003	LAXIT	SURAT	200	1002
2007	PRATIK	ROME	100	1004

3 rows Selected.

que:-53 List the name and number of all
salesman who has more than zero
customer

Query :

SQL > Select * from Salesman where SNUM
IN (Select distinct SNUM from customers);

Output :

SNUM	SNAME	CITY	COMMISSION
1001	PIYUSH	LONDON	12
1002	MIRAJ	SURAT	13
1003	MITI	LONDON	11
1004	RAJESH	BARODA	15
1007	LAXMAN	BOMBAY	9

5 rows selected.

Ques 54 Calculate the total amount order on each day where the total amount is not atleast RS. 2000 above the maximum amount at that day.

Query :

SQL > Select sum(AMOUNT), ODATE from
orders31 group by ODATE having
sum(AMOUNT) > 2000;

Output :

Sum(AMOUNT)	ODEATE
6109	10 - MAY - 99
9899	10 - JUN - 99
2811	10 - APR - 99
7846	10 - MAR - 99

4 rows Selected

Que:55 Using correlated sub query find the name and number of all customer with rating equal to maximum for their city.

Query :

SQL> Select * from customers1 where RATING
IN(Select max(RATING) from customers1
group by CITY);

Output :

CNUM	CNAME	CITY	RATING	SNUM
2007	PRATIK	ROME	100	1004
2005	CHANDU	LONDON	100	1001
2001	HARDIK	LONDON	100	1001
2006	CHAMPAK	SURAT	300	1004
2004	GROVIND	BOMBAY	300	1002
2003	LAXIT	SURAT	200	1002
2002	RITA	ROME	300	1003

7 rows selected

Que:56 Select the name and number of all Salesman who have customer in their cities.

Query :

SQL> Select s.SNUM, s.SNAME, c.CNAME from
Salesmans1 s, Customers1 c where
s.CITY = c.CITY and s.SMUM = c.SNUM;

Output :

<u>SNUM</u>	<u>SNAME</u>	<u>CNAME</u>
1001	PIYUSH	HARDIK
1001	PIYUSH	CHANDU

2 rows selected.

Ques: Find all salesmen who have customer with rating > 300.

Query :

~~SQL> Select * from Salesmen31 where
SNUM IN (Select SNUM from customers1
where RATING > 300);~~

Output :

No rows selected.

Ques: List all Salesman with customer located in their cities.

Query :

~~SQL> Select s.SNAME, c.CNAME from Salesmen31 s, customers31 c where s.SNUM = c.SNUM
and s.CITY = c.CITY;~~

Output :

<u>SNAME</u>	<u>CNAME</u>
PIYUSH	HARDIK
PIYUSH	CHANDU

2 rows Selected.

Que: 59 Find all Salesman for whom there are customers that following them alphabetical order.

Query :

SQL > Select s.SNAME, c.CNAME from Salesman s, customers c where s.SNUM = c.SNUM
order by c.CNAME;

Output :

SNAME	CNAME
LAXMAN	CHAMPAK
PIYUSH	CHANDU
MITI	CRITA
MIRAJ	CROVIND
PIYUSH	HARDIK
MIRAJ	LAXIT
RAJESH	PRATIK

7 rows Selected.

Que: 60 Find all customers having rating greater than any customer in 'ROME'.

Query :

SQL > Select * from customers where RATINC > any(select RATINC from customers where CITY = 'ROME');

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Output :-

CNUM	CNAME	CITY	RATING	SNUM
2004	GROVIND	BOMBAY	300	1002
2006	CHAMPAK	SURAT	300	1007
2003	LAXIT	SURAT	200	1002
2002	CRITA	ROME	200	1003

4 rows Selected