SET OPERATIONS

NAME   :

ANNAPOORNIMA   S

ROLLNO :

225229101

SQL> select *from salesman;

SALESMAN_ID NAME   CITY   COMMI

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    5001 James Hoog New York .15

    5002 Nail Knite Paris   .13

    5005 Pit Alex   London   .11

    5006 Mc Lyon   Paris   .14

    5007 Paul Adam Rome   .13

    5003 Lauson Hen San Jose .12

6 rows selected.

SQL> select*from customer;

CUSTOMER_ID CUST_NAME CITY		GRADE SALESMAN_ID
3007 Brad Davis New York	200	5001
3005 Graham Zusi California	200	5002
3008 Julian Green London	300	5002
3004 Fabian Johnson Paris	300	5006
3009 Geoff Cameron Berlin	100	5003
3003 Jozy Altidor Moscow	200	5007

3001 Brad Guzan	London	5005

7 rows selected.

SQL> select*from ordertable;

ORD_NO PURCH_AMT ORD_DATE CUSTOMER_ID SALESMAN_ID

ORD_NO PURCH_AMT	ORD_DATE	CUSTOMER_ID	SALESMAN_ID
70001 150.5	2012-10-05	3005	5002
70009 270.65	2012-09-10	3001	5005
70002 65.26	2012-10-05	3002	5001
70004 110.5	2012-08-17	3009	5003
70007 948.5	2012-09-10	3005	5002
70005 2400.6	2012-07-27	3007	5001
70008 5760	2012-09-10	3002	5001
70010 1983.43	2012-10-10	3004	5006
70003 2480.4	2012-10-10	3009	5003
70012 250.45	2012-06-27	3008	5002
70011 75.29	2012-08-17	3003	5007
11 rows selected.			

• **write a SQL query to find all salespeople and customers located in the city of London.**

SQL> select name,city from salesman where city='London'

 2 union

 3 select cust_name,city from customer where city='London';

NAME   CITY

Brad Guzan   London

Julian Green   London

Pit Alex   London

• **write a SQL query to find distinct salespeople and their cities. Return salesperson ID and city**

SQL> select salesman_id,city from customer

 2 union

 3 select salesman_id,city from salesman;

SALESMAN_ID CITY

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     5001 New York

     5002 California

     5002 London

     5002 Paris

     5003 Berlin

     5003 San Jose

     5005 London

     5006 Paris

     5007 Moscow

     5007 Rome

• **write a SQL query to find all those salespeople and customers who are involved in the inventory management system. Return salesperson ID, customer ID.**

SQL> select salesman_id,customer_id from customer

 2 union

 3 select salesman_id,customer_id from ordertable;

SALESMAN_ID CUSTOMER_ID

5001	3002
5001	3007
5002	3005
5002	3008
5003	3009
5005	3001
5006	3004
5007	3003

- **write a SQL query to find the salespersons who generated the largest and smallest orders on each date. Return salesperson ID, name, order no., highest on/lowest on, order date**

SQL> select a.salesman_id,name,ord_no,'highest on',ord_date from salesman a,ordertable b where a.salesman_id=b.salesman_id and b.purch_amt=(select max(purch_amt) from ordertable c where c.ord_date=b.ord_date)

- **union**

- **select a.salesman_id,name,ord_no,'lowest on',ord_date from salesman a,ordertable b where a.salesman_id=b.salesman_id and b.purch_amt=(select min(purch_amt) from ordertable c where c.ord_date=b.ord_date);**

SALESMAN_ID NAME   ORD_NO 'HIGHESTON ORD_DATE

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-----------------------------------------------------------

    5001 James Hoog     70002 highest on 2012-10-05

    5001 James Hoog     70005 highest on 2012-07-27

    5001 James Hoog     70005 lowest on  2012-07-27

    5002 Nail Knite    70001 lowest on  2012-10-05

    5002 Nail Knite    70007 highest on 2012-09-10

    5002 Nail Knite    70012 highest on 2012-06-27

    5002 Nail Knite    70012 lowest on  2012-06-27

    5003 Lauson Hen     70003 highest on 2012-10-10

    5003 Lauson Hen     70004 lowest on  2012-08-17

    5005 Pit Alex     70009 lowest on  2012-09-10

    5006 Mc Lyon      70010 lowest on 2012-10-10
```

- **write a SQL query to find the salespeople who generated the largest**

and smallest orders on each date. Sort the result-set on third field.

Return salesperson ID, name, order no., highest on/lowest on, order

date

SQL> select a.salesman_id,name,ord_no,'highest on',ord_date from salesman a,ordertable b where a.salesman_id=b.salesman_id and b.purch_amt=(select max(purch_amt) from ordertable c where c.ord_date=b.ord_date)

  - **union**

  - **select a.salesman_id,name,ord_no,'lowest on',ord_date from salesman a,ordertable b where a.salesman_id=b.salesman_id and b.purch_amt=(select min(purch_amt) from ordertable c where c.ord_date=b.ord_date) order by 3;**

SALESMAN_ID NAME   ORD_NO 'HIGHESTON ORD_DATE

```
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      5002 Nail Knite     70001 lowest on 2012-10-05

      5001 James Hoog     70002 highest on 2012-10-05

      5003 Lauson Hen     70003 highest on 2012-10-10

      5003 Lauson Hen     70004 lowest on  2012-08-17

      5001 James Hoog     70005 highest on 2012-07-27

      5001 James Hoog     70005 lowest on  2012-07-27

      5002 Nail Knite     70007 highest on 2012-09-10

      5005 Pit Alex       70009 lowest on  2012-09-10

      5006 Mc Lyon        70010 lowest on  2012-10-10

      5007 Paul Adam      70011 highest on 2012-08-17

      5002 Nail Knite     70012 highest on 2012-06-27


SALESMAN_ID NAME        ORD_NO 'HIGHESTON ORD_DATE
---------- ---------- ---------- ---------- ----------
      5002 Nail Knite     70012 lowest on 2012-06-27


12 rows selected.
```