**SET OPERATORS**

**Roll no:225229108**

**SQL> select \* from salesman;**

**SALESMAN\_ID NAME CITY COMMISSION**

**----------- ------------ ---------- ----------**

**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> desc custom;**

**Name Null? Type**

**----------------------------------------- -------- ----------------------------**

**CUST\_ID NUMBER(5)**

**CUST\_NAME VARCHAR2(12)**

**CITY VARCHAR2(10)**

**GRADE NUMBER(3)**

**SALESMAN\_ID NUMBER(4)**

**SQL> insert into custom values(3002,'nick rimand','new york',100,5001);**

**1 row created.**

**SQL> insert into custom values(300**

**2**

**SQL> insert into custom values(300**

**2**

**SQL> insert into custom values(3007,'brad davis','new york',200,5001);**

**1 row created.**

**SQL> insert into custom values(3005,'graham zus','california',200,5002);**

**1 row created.**

**SQL> insert into custom values(3008,'julian green','london',300,5002);**

**1 row created.**

**SQL> insert into custom values(3004,'fabinjohn','paris',300,5006);**

**1 row created.**

**SQL> insert into custom values(3009,'geoff cam','berlin',100,5003);**

**1 row created.**

**SQL> insert into custom values(3003,'jozy altid','moscow',200,5007);**

**1 row created.**

**SQL> insert into custom values(3001,'bcad guzao','london'null,5005);**

**insert into custom values(3001,'bcad guzao','london'null,5005)**

**\***

**ERROR at line 1:**

**ORA-00917: missing comma**

**SQL> insert into custom values(3001,'bcad guzao','london',null,5005);**

**1 row created.**

**SQL> select \* from custom;**

**CUST\_ID CUST\_NAME CITY GRADE SALESMAN\_ID**

**---------- ------------ ---------- ---------- -----------**

**3002 nick rimand new york 100 5001**

**3007 brad davis new york 200 5001**

**3005 graham zus california 200 5002**

**3008 julian green london 300 5002**

**3004 fabinjohn paris 300 5006**

**3009 geoff cam berlin 100 5003**

**3003 jozy altid moscow 200 5007**

**3001 bcad guzao london 5005**

**8 rows selected.**

**SQL> create table ordertab(order\_no number(6),purc\_amt decimal(6),ord\_date date,cust\_id number(5),sa**

**lesman\_id number(5));**

**Table created.**

**SQL> desc ordertab;**

**Name Null? Type**

**----------------------------------------- -------- ----------------------------**

**ORDER\_NO NUMBER(6)**

**PURC\_AMT NUMBER(6)**

**ORD\_DATE DATE**

**CUST\_ID NUMBER(5)**

**SALESMAN\_ID NUMBER(5)**

**SQL> insert into values(70001,150.5,05-Oct-12,3005,5002);**

**insert into values(70001,150.5,05-Oct-12,3005,5002)**

**\***

**ERROR at line 1:**

**ORA-00903: invalid table name**

**SQL> insert into ordertab values(70001,150.5,05-Oct-12,3005,5002);**

**insert into ordertab values(70001,150.5,05-Oct-12,3005,5002)**

**\***

**ERROR at line 1:**

**ORA-00984: column not allowed here**

**SQL> insert into ordertab(order\_no,purc\_amt,ord\_date,cust\_id,salesman\_id)values('&order\_no','&pur\_ma**

**2**

**SQL>**

**SQL> insert into ordertab(order\_no,purc\_amt,ord\_date,cust\_id,salesman\_id)values('&order\_no','&pur**

**2**

**SQL> insert into ordertab(order\_no,purc\_amt,ord\_date,cust\_id,salesman\_id)values('&order\_no',**

**2**

**SQL> insert into ordertab(order\_no,purc\_amt,ord\_date,cust\_id,salesman\_id)values('&order\_no','&purc\_**

**amt','&ord\_date','&cust\_id','&salesman\_id');**

**Enter value for order\_no: 70001**

**Enter value for purc\_amt: 150.5**

**Enter value for ord\_date: 05-Oct-12**

**Enter value for cust\_id: 3005**

**Enter value for salesman\_id: 5002**

**old 1: insert into ordertab(order\_no,purc\_amt,ord\_date,cust\_id,salesman\_id)values('&order\_no','&p**

**new 1: insert into ordertab(order\_no,purc\_amt,ord\_date,cust\_id,salesman\_id)values('70001','150.5'**

**1 row created.**

**SQL> /**

**Enter value for order\_no: 70009**

**Enter value for purc\_amt: 270.65**

**Enter value for ord\_date: 10-Sep-12**

**Enter value for cust\_id: 3001**

**Enter value for salesman\_id: 5005**

**old 1: insert into ordertab(order\_no,purc\_amt,ord\_date,cust\_id,salesman\_id)values('&order\_no','&p**

**new 1: insert into ordertab(order\_no,purc\_amt,ord\_date,cust\_id,salesman\_id)values('70009','270.65**

**1 row created.**

**SQL> /**

**Enter value for order\_no: 70002**

**Enter value for purc\_amt: 65.26**

**Enter value for ord\_date: 05-Oct-12**

**Enter value for cust\_id: 3002**

**Enter value for salesman\_id: 5001**

**old 1: insert into ordertab(order\_no,purc\_amt,ord\_date,cust\_id,salesman\_id)values('&order\_no','&p**

**new 1: insert into ordertab(order\_no,purc\_amt,ord\_date,cust\_id,salesman\_id)values('70002','65.26'**

**1 row created.**

**SQL> /**

**Enter value for order\_no: 70004**

**Enter value for purc\_amt: 110.5**

**Enter value for ord\_date: 17-Aug-12**

**Enter value for cust\_id: 3009**

**Enter value for salesman\_id: 5003**

**old 1: insert into ordertab(order\_no,purc\_amt,ord\_date,cust\_id,salesman\_id)values('&order\_no','&p**

**new 1: insert into ordertab(order\_no,purc\_amt,ord\_date,cust\_id,salesman\_id)values('70004','110.5'**

**1 row created.**

**SQL> /**

**Enter value for order\_no: 70007**

**Enter value for purc\_amt: 948.5**

**Enter value for ord\_date: 10-Sep-12**

**Enter value for cust\_id: 3005**

**Enter value for salesman\_id: 5002**

**old 1: insert into ordertab(order\_no,purc\_amt,ord\_date,cust\_id,salesman\_id)values('&order\_no','&p**

**new 1: insert into ordertab(order\_no,purc\_amt,ord\_date,cust\_id,salesman\_id)values('70007','948.5'**

**1 row created.**

**SQL> /**

**Enter value for order\_no: 70005**

**Enter value for purc\_amt: 2400.5**

**Enter value for ord\_date: 27-July-12**

**Enter value for cust\_id: 3007**

**Enter value for salesman\_id: 5001**

**old 1: insert into ordertab(order\_no,purc\_amt,ord\_date,cust\_id,salesman\_id)values('&order\_no','&p**

**new 1: insert into ordertab(order\_no,purc\_amt,ord\_date,cust\_id,salesman\_id)values('70005','2400.5**

**1 row created.**

**SQL> /**

**Enter value for order\_no: 70008**

**Enter value for purc\_amt: 5760**

**Enter value for ord\_date: 10-Sep-12**

**Enter value for cust\_id: 3002**

**Enter value for salesman\_id: 5001**

**old 1: insert into ordertab(order\_no,purc\_amt,ord\_date,cust\_id,salesman\_id)values('&order\_no','&p**

**new 1: insert into ordertab(order\_no,purc\_amt,ord\_date,cust\_id,salesman\_id)values('70008','5760',**

**1 row created.**

**SQL> /**

**Enter value for order\_no: 70010**

**Enter value for purc\_amt: 1983.43**

**Enter value for ord\_date: 10-Oct-12**

**Enter value for cust\_id: 3004**

**Enter value for salesman\_id: 5006**

**old 1: insert into ordertab(order\_no,purc\_amt,ord\_date,cust\_id,salesman\_id)values('&order\_no','&p**

**new 1: insert into ordertab(order\_no,purc\_amt,ord\_date,cust\_id,salesman\_id)values('70010','1983.4**

**1 row created.**

**SQL> alter table drop('purc\_date');**

**alter table drop('purc\_date')**

**\***

**ERROR at line 1:**

**ORA-00903: invalid table name**

**SQL> alter table ordertab drop('purc\_date');**

**alter table ordertab drop('purc\_date')**

**\***

**ERROR at line 1:**

**ORA-00904: : invalid identifier**

**SQL> commit;**

**Commit complete.**

**SQL> alter table ordertab drop('purc\_amt');**

**alter table ordertab drop('purc\_amt')**

**\***

**ERROR at line 1:**

**ORA-00904: : invalid identifier**

**SQL> alter table ordertab modify(purc\_amt float);**

**Table altered.**

**SQL> desc ordertab;**

**Name Null? Type**

**----------------------------------------- -------- ----------------------------**

**ORDER\_NO NUMBER(6)**

**PURC\_AMT FLOAT(126)**

**ORD\_DATE DATE**

**CUST\_ID NUMBER(5)**

**SALESMAN\_ID NUMBER(5)**

**SQL> select \* from ordertab;**

**ORDER\_NO PURC\_AMT ORD\_DATE CUST\_ID SALESMAN\_ID**

**---------- ---------- --------- ---------- -----------**

**70001 151 05-OCT-12 3005 5002**

**70009 271 10-SEP-12 3001 5005**

**70002 65 05-OCT-12 3002 5001**

**70004 111 17-AUG-12 3009 5003**

**70007 949 10-SEP-12 3005 5002**

**70005 2401 27-JUL-12 3007 5001**

**70008 5760 10-SEP-12 3002 5001**

**70010 1983 10-OCT-12 3004 5006**

**8 rows selected.**

**SQL> update ordertab set purc\_amt=150.5 where order\_no=70001;**

**1 row updated.**

**SQL> select \* from ordertab;**

**ORDER\_NO PURC\_AMT ORD\_DATE CUST\_ID SALESMAN\_ID**

**---------- ---------- --------- ---------- -----------**

**70001 150.5 05-OCT-12 3005 5002**

**70009 271 10-SEP-12 3001 5005**

**70002 65 05-OCT-12 3002 5001**

**70004 111 17-AUG-12 3009 5003**

**70007 949 10-SEP-12 3005 5002**

**70005 2401 27-JUL-12 3007 5001**

**70008 5760 10-SEP-12 3002 5001**

**70010 1983 10-OCT-12 3004 5006**

**8 rows selected.**

**SQL> update ordertab set purc\_amt=270.65 where order\_no=70009;**

**1 row updated.**

**SQL> update ordertab set purc\_amt=65.26 where order\_no=70002;**

**1 row updated.**

**SQL> update ordertab set purc\_amt=110.5 where order\_no=70004;**

**1 row updated.**

**SQL> update ordertab set purc\_amt=948.5 whwre order\_no=70007;**

**update ordertab set purc\_amt=948.5 whwre order\_no=70007**

**\***

**ERROR at line 1:**

**ORA-00933: SQL command not properly ended**

**SQL> update ordertab set purc\_amt=948.5 where order\_no=70007;**

**1 row updated.**

**SQL> update ordertab set purc\_amt=2400.6 where order\_no=70005;**

**1 row updated.**

**SQL> update ordertab set purc\_amt=1983.43 where order\_no=70010;**

**1 row updated.**

**SQL> insert into ordertab values(70003,2480.4,10-Oct-12,3009,5003);**

**insert into ordertab values(70003,2480.4,10-Oct-12,3009,5003)**

**\***

**ERROR at line 1:**

**ORA-00984: column not allowed here**

**SQL> insert into ordertab(order\_no,purc\_amt,ord\_date,cust\_id,salesman\_id)values('&order\_no','&purc\_**

**amt','&ord\_date','&cust\_id','&salesman\_id');**

**Enter value for order\_no: 70003**

**Enter value for purc\_amt: 2480.4**

**Enter value for ord\_date: 10-Oct-12**

**Enter value for cust\_id: 3009**

**Enter value for salesman\_id: 5003**

**old 1: insert into ordertab(order\_no,purc\_amt,ord\_date,cust\_id,salesman\_id)values('&order\_no','&p**

**new 1: insert into ordertab(order\_no,purc\_amt,ord\_date,cust\_id,salesman\_id)values('70003','2480.4**

**1 row created.**

**SQL> /**

**Enter value for order\_no: 70012**

**Enter value for purc\_amt: 250.45**

**Enter value for ord\_date: 27-Jun-12**

**Enter value for cust\_id: 3008**

**Enter value for salesman\_id: 5002**

**old 1: insert into ordertab(order\_no,purc\_amt,ord\_date,cust\_id,salesman\_id)values('&order\_no','&p**

**new 1: insert into ordertab(order\_no,purc\_amt,ord\_date,cust\_id,salesman\_id)values('70012','250.45**

**1 row created.**

**SQL> /**

**Enter value for order\_no: 70011**

**Enter value for purc\_amt: 75.29**

**Enter value for ord\_date: 17-Aug-12**

**Enter value for cust\_id: 3003**

**Enter value for salesman\_id: 5007**

**old 1: insert into ordertab(order\_no,purc\_amt,ord\_date,cust\_id,salesman\_id)values('&order\_no','&p**

**new 1: insert into ordertab(order\_no,purc\_amt,ord\_date,cust\_id,salesman\_id)values('70011','75.29'**

**1 row created.**

**SQL> /**

**Enter value for order\_no: 70013**

**Enter value for purc\_amt: 3045.6**

**Enter value for ord\_date: 25-Apr-12**

**Enter value for cust\_id: 3002**

**Enter value for salesman\_id: 5001**

**old 1: insert into ordertab(order\_no,purc\_amt,ord\_date,cust\_id,salesman\_id)values('&order\_no','&p**

**new 1: insert into ordertab(order\_no,purc\_amt,ord\_date,cust\_id,salesman\_id)values('70013','3045.6**

**1 row created.**

**SQL> select \* from ordertab;**

**ORDER\_NO PURC\_AMT ORD\_DATE CUST\_ID SALESMAN\_ID**

**---------- ---------- --------- ---------- -----------**

**70001 150.5 05-OCT-12 3005 5002**

**70009 270.65 10-SEP-12 3001 5005**

**70002 65.26 05-OCT-12 3002 5001**

**70004 110.5 17-AUG-12 3009 5003**

**70007 948.5 10-SEP-12 3005 5002**

**70005 2400.6 27-JUL-12 3007 5001**

**70008 5760 10-SEP-12 3002 5001**

**70010 1983.43 10-OCT-12 3004 5006**

**70003 2480.4 10-OCT-12 3009 5003**

**70012 250.45 27-JUN-12 3008 5002**

**70011 75.29 17-AUG-12 3003 5007**

**ORDER\_NO PURC\_AMT ORD\_DATE CUST\_ID SALESMAN\_ID**

**---------- ---------- --------- ---------- -----------**

**70013 3045.6 25-APR-12 3002 5001**

**12 rows selected.**

**1. write a SQL query to find all salespeople and customers located in the**

**city of London.**

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

2 UNION

3 select customer\_id,cust\_name from customer where city='London';

**2.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;

**3.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 order\_table;

**4. 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**

SELECT a.salesman\_id, name, ord\_no, 'highest on', ord\_date

FROM salesman a, orders b

WHERE a.salesman\_id =b.salesman\_id

AND b.purch\_amt=

(SELECT MAX (purch\_amt)

FROM orders c

WHERE c.ord\_date = b.ord\_date)

UNION

(SELECT a.salesman\_id, name, ord\_no, 'lowest on', ord\_date

FROM salesman a, orders b

WHERE a.salesman\_id =b.salesman\_id

AND b.purch\_amt=

(SELECT MIN (purch\_amt)

FROM orders c

WHERE c.ord\_date = b.ord\_date))

ORDER BY 3

**5.  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**

SELECT a.salesman\_id, name, ord\_no, 'highest on', ord\_date

FROM salesman a, orders b

WHERE a.salesman\_id =b.salesman\_id

AND b.purch\_amt=

(SELECT MAX (purch\_amt)

FROM orders c

WHERE c.ord\_date = b.ord\_date)

UNION

(SELECT a.salesman\_id, name, ord\_no, 'lowest on', ord\_date

FROM salesman a, orders b

WHERE a.salesman\_id =b.salesman\_id

AND b.purch\_amt=

(SELECT MIN (purch\_amt)

FROM orders c

WHERE c.ord\_date = b.ord\_date))

ORDER BY 3