**Views and reports**

**Problem #1:** Play computer and show me the output that would be created with the SELECT \* from ORDERINFO1 statement below and explain the relationships that were established:

SQL> CREATE VIEW orderinfo1 AS

2 SELECT c.custid, c.custname, o.ordno, l.itemno, i.itemname, l.numord

3 FROM invcust c, inven i, orderz o, ordline l

4 WHERE c.custid = o.custid and o.ordno = l.ordno and l.itemno = i.itemno;

View created.

SQL> SELECT \* from orderinfo1;

CUSTI CUSTNAME ORDNO itemno itemname numord

11111 Susan Ash 000001 1212 Heidi 1

11111 Susan Ash 000001 2121 Teddy Bear 1

11111 Susan Ash 000001 2345 Doll House 1

12121 Richard Davis 000002 1111 Good night moon 3

12121 Richard Davis 000002 3333 basketball 1

12345 Linda Anderson 000003 3333 basketball 2

12345 Linda Anderson 000003 3456 Net/hoop 1

**Problem #2**

The ouput for both the views would be same. In the view onhand we have group by itemno but there is no repletion of any record so the result we get from both views would be same.

Output for both views:

Itemno totonhand

1111 152

1212 120

1234 45

2121 75

**Problem #3**

**Output First report:**

ORDERS

Customer customer Order Item Item Number

Id Name Number Number Name Ordered

11111 Susan Ash 000001 1212 Heidi 1

Susan Ash 2121 Teddy Bear 1

Susan Ash 2345 Doll House 1

12121 Richard Davis 000002 1111 Good NightMoon 3

Richard Davis 3333 Basketball 1

12345 Linda Anderson 000003 3333 Basketball 2

Linda Anderson 3456 Net/Hoop 1

**Output for second report:**

ORDERS

Customer customer Order Item Item Number

Id Name Number Number Name Ordered

11111 Susan Ash 000001 1212 Heidi 1

2121 Teddy Bear 1

2345 Doll House 1

12121 Richard Davis 000002 1111 Good NightMoon 3

3333 Basketball 1

12345 Linda Anderson 000003 3333 Basketball 2

3456 Net/Hoop 1

Explanation:

On the first report we have break on on custid and orderno so line will only break when custid and orderno changes.

On the seond report we have break on on custid, customer name and orderno so line will only break when custid, customer name and orderno changes.In this report ciustid, custname and ordername are not displayed for each record

**Problem #4**

**Table cust2 from customer**

SQL> create table cust2 (custid, cname, street, state, zip) as select custid, cname, street, state, zip from customer;

Table created.

SQL> describe cust2;

Name Null? Type

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

CUSTID VARCHAR2(4)

CNAME VARCHAR2(20)

STREET VARCHAR2(15)

STATE CHAR(2)

ZIP CHAR(5)

SQL> describe customer;

Name Null? Type

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

CUSTID NOT NULL VARCHAR2(4)

CNAME VARCHAR2(20)

STREET VARCHAR2(15)

CITY VARCHAR2(15)

STATE CHAR(2)

ZIP CHAR(5)

TANKCAPACITY NUMBER(5)

HOUSETYPECODE VARCHAR2(10)

**Table cust3 from customer**

SQL> create table cust3 (custid, cname, street, state, zip) as select custid, cname, street, state, zip from customer where

2 custid != '06';

Table created.

SQL> select \* from cust3;

CUST CNAME STREET ST ZIP

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

01 Stephen Jones 2 State Street MA 12345

02 Stacy Brown 4 High Street CA 21345

03 John Smith 10 New Street MI 34567

05 Kimbell Jones 65 East Street CA 42345

04 DAvid Manson 15 Mark Street MA 32345

**Problem #5**

CUST CUSTNAME STREET ST ZIP HOUSETYPEC

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

01 Stephen Jones 2 State Street MA 12345 ranch

02 Stacy Brown 4 High Street CA 21345 cape

03 John Smith 10 New Street MI 34567 colonial

05 Kimbell Jones 65 East Street CA 42345 cape

06 Charles Wood 34 State Street MA 12345 colonial

SQL> savepoint cust\_1;

Savepoint created.

SQL> delete from cust1 where custid = '01';

1 row deleted.

SQL> select \* from cust1;

CUST CUSTNAME STREET ST ZIP HOUSETYPEC

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

02 Stacy Brown 4 High Street CA 21345 cape

03 John Smith 10 New Street MI 34567 colonial

05 Kimbell Jones 65 East Street CA 42345 cape

06 Charles Wood 34 State Street MA 12345 colonial

SQL> rollback to savepoint cust\_1;

Rollback complete.

SQL> select \* from cust1;

CUST CUSTNAME STREET ST ZIP HOUSETYPEC

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

01 Stephen Jones 2 State Street MA 12345 ranch

02 Stacy Brown 4 High Street CA 21345 cape

03 John Smith 10 New Street MI 34567 colonial

05 Kimbell Jones 65 East Street CA 42345 cape

06 Charles Wood 34 State Street MA 12345 colonial

SQL> commit;

Commit complete.

**Problem #6**

clear columns

column EMP\_ID heading ' emp|id' format A5

column NAME heading 'emp|name' format A15

column title heading 'title' format A12

column bonus heading 'year|bonus" format A5

set pagesize 100

set linesize 120

ttitle '# My report #'

break on report on title skip 2

compute sum of bonus on title

compute sum of bonus on report

select \* from employee\_bk order by title;

/

SQL> select \* from employee\_bk;

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# My report #

emp emp

id name DOB title BONUS SALARY

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01 Smith/James 01-JAN-89 Salesperson 2500 81600

\*\*\*\*\*\*\*\*\*\*\*\* ----------

sum 2500

02 Johnson/Ron K 10-JAN-85 Senior Manag 3500 86700

er

\*\*\*\*\*\*\*\*\*\*\*\* ----------

sum 3500

03 Hobbs/Fred Ann 20-NOV-91 Salesperson 2500 86700

\*\*\*\*\*\*\*\*\*\*\*\* ----------

sum 2500

04 Mary/Jones 25-MAY-81 CEO 8000 183600

\*\*\*\*\*\*\*\*\*\*\*\* ----------

sum 8000

05 Doe/Susan 16-DEC-84 Salesperson 2600 83640

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sum 2600

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sum 19100