

**** CH 4 ****

Question#1

```
SQL> CREATE TABLE store_reps
  2  (rep_ID NUMBER(5),
  3  last VARCHAR2(15),
  4  first VARCHAR2(10),
  5  comm CHAR(1) DEFAULT 'Y',
  6  constraint store_reps_rep_id_pk primary key(rep_id));
```

Table created.

Question#2

```
SQL> ALTER TABLE store_reps
  2  MODIFY
  3  (last CONSTRAINT last_nn NOT NULL,
  4  first CONSTRAINT first_nn NOT NULL);
```

Table altered.

Question#3

```
SQL> ALTER TABLE store_reps
  2  ADD CONSTRAINT comm_is_Y_or_N
  3  CHECK (comm = 'Y' or comm = 'N');
```

Table altered.

Question#4

```
SQL> ALTER TABLE store_reps
  2  ADD Base_salary NUMBER(7,2) CONSTRAINT store_reps_base_sal_ck
  3  CHECK (Base_salary > 0) ;
```

Table altered.

**** CH8 ****

Question#4

```
SQL> SELECT customer#, lastname, state
  2  FROM customers
  3  WHERE state = 'GA' OR state = 'NJ'
  4  ORDER BY lastname ASC;
```

CUSTOMER#	LASTNAME	ST
1020	FALAH	NJ
1010	LUCAS	GA
1018	MONTIASA	GA
1019	SMITH	NJ

```

SQL> SELECT customer#, lastname, state
      2 FROM customers
      3 WHERE state = 'GA'
      4 UNION
      5 SELECT customer#, lastname, state
      6 FROM customers
      7 WHERE state = 'NJ'
      8 ORDER BY lastname ASC;

```

CUSTOMER#	LASTNAME	ST
1020	FALAH	NJ
1010	LUCAS	GA
1018	MONTIASA	GA
1019	SMITH	NJ

Question#6

```

SQL> SELECT lname, fname
      2 FROM author
      3 WHERE lname LIKE '%IN%'
      4 ORDER BY Lname;

```

LNAME	FNAME
AUSTIN	JAMES
MARTINEZ	SHEILA
ROBINSON	ROBERT
WILKINSON	ANTHONY

Question#10

```

SQL> SELECT title, pubdate
      2 FROM books
      3 WHERE category = 'COMPUTER'
      4 AND pubdate BETWEEN '01-JAN-05' AND '31-DEC-05';

```

TITLE	PUBDATE
HOLY GRAIL OF ORACLE	31-DEC-05
HANDCRANKED COMPUTERS	21-JAN-05

```

SQL> SELECT title, pubdate
      2 FROM books
      3 WHERE category = 'COMPUTER'
      4 AND pubdate>='01-JAN-05' AND pubdate <= '31-DEC-05';

```

TITLE	PUBDATE
-------	---------

HOLY GRAIL OF ORACLE	31-DEC-05
HANDCRANKED COMPUTERS	21-JAN-05

```
SQL> SELECT title, pubdate
2 FROM Books
3 WHERE category = 'COMPUTER' and pubdate LIKE '%05';
```

TITLE	PUBDATE
-----	-----
HOLY GRAIL OF ORACLE	31-DEC-05
HANDCRANKED COMPUTERS	21-JAN-05

** CH9 **

Question#2

```
SQL> SELECT o.order#, c.firstname, c.lastname
2 FROM customers c, orders o
3 WHERE c.customer# = o.customer#
4 AND o.shipdate IS NULL
5 ORDER BY o.orderdate;
```

ORDER#	FIRSTNAME	LASTNAME
-----	-----	-----
1012	BECCA	NELSON
1016	LEILA	SMITH
1015	KENNETH	FALAH
1019	GREG	MONTIASA
1018	BONITA	MORALES
1020	KENNETH	JONES

6 rows selected.

```
SQL> SELECT o.order#, c.firstname, c.lastname
2 FROM customers c
3 JOIN orders o USING (customer#)
4 WHERE o.shipdate IS NULL
5 ORDER BY o.orderdate;
```

ORDER#	FIRSTNAME	LASTNAME
-----	-----	-----
1012	BECCA	NELSON
1016	LEILA	SMITH
1015	KENNETH	FALAH
1019	GREG	MONTIASA
1018	BONITA	MORALES
1020	KENNETH	JONES

6 rows selected.

Question#4

```
SQL> SELECT DISTINCT b.title
  2 FROM customers c, orders o, orderitems i, books b
  3 WHERE c.customer# = o.customer#
  4 AND o.order# = i.order#
  5 AND i.isbn = b.isbn
  6 AND c.firstname = 'JAKE'
  7 AND c.lastname = 'LUCAS';
```

TITLE

PAINLESS CHILD-REARING
HOW TO MANAGE THE MANAGER

```
SQL> SELECT DISTINCT b.title
  2 FROM customers c JOIN orders USING (customer#)
  3 JOIN orderitems USING (order#)
  4 JOIN books b USING (isbn)
  5 WHERE c.firstname = 'JAKE'
  6 AND c.lastname = 'LUCAS';
```

TITLE

PAINLESS CHILD-REARING
HOW TO MANAGE THE MANAGER

Question#5

```
SQL> COLUMN profit FORMAT $9999.99
SQL> SELECT o.orderdate, b.title, (i.paideach-b.cost)* quantity profit
  2 FROM customers c, orders o, orderitems i, books b
  3 WHERE c.customer# = o.customer#
  4 AND o.order# = i.order#
  5 AND i.isbn = b.isbn
  6 AND c.firstname = 'JAKE'
  7 AND c.lastname = 'LUCAS'
  8 ORDER BY o.orderdate, (i.paideach-b.cost)* quantity DESC;
```

ORDERDATE	TITLE	PROFIT
-----	-----	-----
31-MAR-09	PAINLESS CHILD-REARING	\$37.45
31-MAR-09	HOW TO MANAGE THE MANAGER	\$16.55
03-APR-09	PAINLESS CHILD-REARING	\$37.45

```
SQL> SELECT o.orderdate, b.title, (i.paideach-b.cost) profit
  2 FROM customers c
  3 JOIN orders o USING (customer#)
```

```

4 JOIN orderitems i USING (order#)
5 JOIN books b USING (isbn)
6 WHERE c.firstname = 'JAKE'
7 AND c.lastname = 'LUCAS'
8 ORDER BY o.orderdate, (i.paideach-b.cost) DESC;

```

ORDERDATE	TITLE	PROFIT
-----	-----	-----
31-MAR-09	PAINLESS CHILD-REARING	\$37.45
31-MAR-09	HOW TO MANAGE THE MANAGER	\$16.55
03-APR-09	PAINLESS CHILD-REARING	\$37.45

Question#7

```

SQL> SELECT p.gift
      2 FROM books b, promotion p
      3 WHERE b.retail BETWEEN p.minretail AND p.maxretail
      4 AND b.title = 'SHORTEST POEMS';

```

GIFT

BOOK COVER

```

SQL> SELECT p.gift
      2 FROM books b
      3 JOIN promotion p
      4 ON b.retail BETWEEN p.minretail AND p.maxretail
      5 WHERE b.title = 'SHORTEST POEMS';

```

GIFT

BOOK COVER