

Part1

1)

SQL STATEMENTS

```
1 SELECT TITLE , CATEGORY FROM BOOKS  
2 WHERE CATEGORY!= 'FITNESS';
```

RESULTS

TITLE	CATEGORY
REVENGE OF MICKEY	FAMILY LIFE
BUILDING A CAR WITH TOOTHPICKS	CHILDREN
DATABASE IMPLEMENTATION	COMPUTER
COOKING WITH MUSHROOMS	COOKING
HOLY GRAIL OF ORACLE	COMPUTER
HANDCRANKED COMPUTERS	COMPUTER
E-BUSINESS THE EASY WAY	COMPUTER
PAINLESS CHILD-REARING	FAMILY LIFE
THE WOK WAY TO COOK	COOKING
BIG BEAR AND LITTLE DOVE	CHILDREN
HOW TO GET FASTER PIZZA	SELF HELP
HOW TO MANAGE THE MANAGER	BUSINESS
SHORTEST POEMS	LITERATURE

2)

SQL STATEMENTS

```
1 |  
2 | SELECT LASTNAME,STATE,CITY,CUSTOMER# FROM CUSTOMERS  
3 | WHERE CITY='GEORGIA' OR CITY='NEW JERSEY'  
4 | ORDER BY LASTNAME ASC;
```

RESULTS

no data found

3)

SQL STATEMENTS

```
1  
2 SELECT ORDER# , ORDERDATE FROM ORDERS  
3 WHERE ORDERDATE<='01-APR-09';
```

RESULTS

ORDER#	ORDERDATE
1000	31-MAR-09
1001	31-MAR-09
1002	31-MAR-09
1003	01-APR-09
1004	01-APR-09
1005	01-APR-09
1006	01-APR-09

4)

SQL STATEMENTS

```
1 SELECT title
2 FROM BOOKS
3 WHERE (retail-cost <= 10.00)
4 ORDER BY (retail-cost) DESC;
```

RESULTS

TITLE
THE WOK WAY TO COOK
REVENGE OF MICKEY
COOKING WITH MUSHROOMS
BIG BEAR AND LITTLE DOVE
HANDCRANKED COMPUTERS

5)

SQL STATEMENTS

```
1 SELECT title
2 FROM BOOKS
3 WHERE CATEGORY='Family Life ' OR CATEGORY='COMPUTER '
4 AND PUBID=1 OR PUBID=3;
```

RESULTS

TITLE
DATABASE IMPLEMENTATION
HOLY GRAIL OF ORACLE
HANDCRANKED COMPUTERS

Part2

1)

SQL STATEMENTS

```
1 SELECT TITLE,CONTACT,PHONE
2 FROM BOOKS B, PUBLISHER PB
3 WHERE B.PUBID=PB.PUBID
4
5
```

```
1 SELECT TITLE,CONTACT,PHONE
2 FROM BOOKS B JOIN PUBLISHER PB
3 ON B.PUBID=PB.PUBID
```

RESULTS

TITLE	CONTACT	PHONE
BODYBUILD IN 10 MINUTES A DAY	RENEE SMITH	800-555-9743
REVENGE OF MICKEY	TOMMIE SEYMOUR	000-714-8321
BUILDING A CAR WITH TOOTHPICKS	JANE TOMLIN	010-410-0010
DATABASE IMPLEMENTATION	DAVID DAVIDSON	800-555-1211
COOKING WITH MUSHROOMS	RENEE SMITH	800-555-9743
HOLY GRAIL OF ORACLE	DAVID DAVIDSON	800-555-1211
HANDCRANKED COMPUTERS	DAVID DAVIDSON	800-555-1211
E-BUSINESS THE EASY WAY	JANE TOMLIN	010-410-0010
PAINLESS CHILD-REARING	SEBASTIAN JONES	800-555-8284
THE WOK WAY TO COOK	RENEE SMITH	800-555-9743
BIG BEAR AND LITTLE DOVE	SEBASTIAN JONES	800-555-8284
HOW TO GET FASTER PIZZA	RENEE SMITH	800-555-9743
HOW TO MANAGE THE MANAGER	TOMMIE SEYMOUR	000-714-8321
SHORTEST POEMS	SEBASTIAN JONES	800-555-8284

2)

SQL STATEMENTS

```
1 SELECT ORDER#,(firstname || ' ' || lastname) name
2 FROM ORDERS O, CUSTOMERS C
3 WHERE O.CUSTOMER#=C.CUSTOMER#
4 AND O.SHIPDATE IS NULL
5 ORDER BY O.ORDERDATE ASC;
```

```
1 SELECT ORDER#,(firstname || ' ' || lastname) name
2 FROM ORDERS O JOIN CUSTOMERS C
3 ON O.CUSTOMER#=C.CUSTOMER#
4 AND O.SHIPDATE IS NULL
5 ORDER BY O.ORDERDATE ASC;
```

RESULTS

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

3)

SQL STATEMENTS

```
1 SELECT c.customer#, (c.firstname || ' ' || c.lastname )name, o.order#, oi.ISBN, b.category, c.state
2 FROM customers c, orders o, books b, orderitems oi
3 WHERE c.customer# = o.customer#
4 AND o.order# = oi.order#
5 AND oi.isbn = b.isbn
6 AND STATE = 'FL'
7 AND b.category = 'COMPUTER';
```

```
1 SELECT customer#, c.firstname||' '||c.lastname name, order#, ISBN, b.category, c.state
2 FROM customers c JOIN orders o USING (customer#)
3 JOIN orderitems oi USING (order#)
4 JOIN books b USING (ISBN)
5 WHERE state = 'FL'
6 AND category = 'COMPUTER';
7
```

RESULTS

CUSTOMER#	NAME	ORDER#	ISBN	CATEGORY	STATE
1001	BONITA MORALES	1003	8843172113	COMPUTER	FL
1001	BONITA MORALES	1018	8843172113	COMPUTER	FL
1003	LEILA SMITH	1006	9959789321	COMPUTER	FL

4)

SQL STATEMENTS

```
1 SELECT books.title
2 FROM customers, orders, orderitems, books
3 WHERE customers.firstname = 'JAKE'
4 AND customers.lastname = 'LUCAS'
5 AND customers.customer# = orders.customer#
6 AND orderitems.order# = orders.order#
7 AND books.ISBN = orderitems.ISBN;
```

```
1 SELECT books.title
2 FROM customers JOIN orders USING(customer#)
3 JOIN orderitems USING(order#) JOIN books USING (ISBN)
4 WHERE customers.firstname = 'JAKE'
5 AND customers.lastname = 'LUCAS';
```

RESULTS

TITLE
HOW TO MANAGE THE MANAGER
PAINLESS CHILD-REARING
PAINLESS CHILD-REARING

5)

SQL STATEMENTS

```
1 SELECT orders.orderdate, books.title, (orderitems.paideach-books.cost) "PROFIT"  
2 FROM customers, orders, orderitems, books  
3 WHERE customers.firstname = 'JAKE'  
4 AND customers.lastname = 'LUCAS'  
5 AND customers.customer# = orders.customer#  
6 AND orderitems.order# = orders.order#  
7 AND books.ISBN = orderitems.ISBN  
8 ORDER BY profit DESC, orderdate;
```

```
1 SELECT orders.orderdate, books.title, (orderitems.paideach-books.cost) "PROFIT"  
2 FROM customers JOIN orders USING(customer#)  
3 JOIN orderitems USING(order#) JOIN books USING(ISBN)  
4 WHERE customers.firstname = 'JAKE'  
5 AND customers.lastname = 'LUCAS'  
6 ORDER BY profit DESC, orderdate;
```

RESULTS

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

Part3

1)

SQL STATEMENTS

```
1  
2 SELECT firstname, lastname, NVL2(referred, 'REFERRED', 'NOT REFERRED') FROM customers;
```

RESULTS

FIRSTNAME	LASTNAME	NVL2(REFERRED, 'REFERRED', 'NOTREFERRED')
BONITA	MORALES	NOT REFERRED
RYAN	THOMPSON	NOT REFERRED
LEILA	SMITH	NOT REFERRED
THOMAS	PIERSON	NOT REFERRED
CINDY	GIRARD	NOT REFERRED
MESHIA	CRUZ	NOT REFERRED
TAMMY	GIANA	REFERRED
KENNETH	JONES	NOT REFERRED
JORGE	PEREZ	REFERRED
JAKE	LUCAS	NOT REFERRED
REESE	MCGOVERN	NOT REFERRED
WILLIAM	MCKENZIE	NOT REFERRED
NICHOLAS	NGUYEN	REFERRED
JASMINE	LEE	NOT REFERRED
STEVE	SCHELL	NOT REFERRED
MICHELL	DAUM	REFERRED
BECCA	NELSON	NOT REFERRED
GREG	MONTIASA	NOT REFERRED
JENNIFER	SMITH	REFERRED
KENNETH	FALAH	NOT REFERRED

2)

SQL STATEMENTS

```
1  
2 SELECT TITLE, ROUND((retail-cost)/cost*100,0)||'%'  
3 FROM BOOKS;
```

RESULTS

TITLE	ROUND((RETAIL - COST)/COST*100,0) ' %'
BODYBUILD IN 10 MINUTES A DAY	65%
REVENGE OF MICKEY	55%
BUILDING A CAR WITH TOOTHPICKS	59%
DATABASE IMPLEMENTATION	78%
COOKING WITH MUSHROOMS	60%
HOLY GRAIL OF ORACLE	61%
HANDCRANKED COMPUTERS	15%
E-BUSINESS THE EASY WAY	44%
PAINLESS CHILD-REARING	87%
THE WOK WAY TO COOK	51%
BIG BEAR AND LITTLE DOVE	68%
HOW TO GET FASTER PIZZA	68%
HOW TO MANAGE THE MANAGER	107%
SHORTEST POEMS	83%

Part4

1)

SQL STATEMENTS

```

1  SELECT COUNT(*)
2  FROM BOOKS
3  WHERE CATEGORY='COOKING'

```

RESULTS

COUNT(*)

2

2)

SQL STATEMENTS

```
1 SELECT SUM((retail-cost)*quantity)
2 FROM orders O, orderitems O1 , books B
3 WHERE O.order#=O1.order#
4 AND B.ISBN=O1.ISBN
5 AND customer# = 1017;
```

RESULTS

SUM((RETAIL-COST)*QUANTITY)

59.78

3)

SQL STATEMENTS

```
1 SELECT AVG(SUM((retail-cost)*quantity))
2 FROM orders JOIN orderitems USING(order#) JOIN books USING(isbn)
3 GROUP BY order#;
```

RESULTS

AVG(SUM((RETAIL-COST)*QUANTITY))
33.77238095238095238095238095238095

4)

SQL STATEMENTS

```
1 SELECT CUSTOMER# , COUNT(*)
2 FROM ORDERS
3 GROUP BY CUSTOMER#;
4
```

RESULTS

CUSTOMER#	COUNT(*)
1019	1
1017	1
1014	1
1011	1
1007	2
1004	1
1008	1
1010	2
1018	2
1005	2
1001	2
1015	1
1020	2
1003	2

5)

SQL STATEMENTS

```
1 SELECT name,AVG(RETAIL) ,CATEGORY
2 FROM BOOKS B, PUBLISHER P
3 WHERE B.PUBID=P.PUBID
4 AND CATEGORY IN('COMPUTER','CHILDREN')
5 GROUP BY name, category ;
6
```

RESULTS

NAME	AVG(RETAIL)	CATEGORY
PUBLISH OUR WAY	59.95	CHILDREN
REED-N-RITE	8.95	CHILDREN
AMERICAN PUBLISHING	52.3	COMPUTER
PUBLISH OUR WAY	54.5	COMPUTER