1. List all books' title.

SELECT title

FROM Books;

| **Query1** |
| --- |
| **title** |
| But Is It User Friendly? |
| Computer Phobic AND Non-Phobic Individuals: Behavior Variations |
| Emotional Security: A New Algorithm |
| Fifty Years in Buckingham Palace Kitchens |
| Is Anger the Enemy? |
| Net Etiquette |
| Onions, Leeks, and Garlic: Cooking Secrets of the Mediterranean |
| Secrets of Silicon Valley |
| The Busy Executive's Database Guide |
| You Can Combat Computer Stress! |

1. Find the author who wrote the book named But Is It User Friendly.  
   (Your result should display author's name.)

SELECT DISTINCT au\_name

FROM Authors

INNER JOIN Writes

ON Authors.au\_id = Writes.au\_id

WHERE title = "But Is It User Friendly?";

| **Query2** |
| --- |
| **au\_name** |
| Cheryl Carson |

1. List all books whose price is greater than $20. List your result in the ascending order of the price. (Your result should display both book title and price. )

SELECT title, price

FROM Books

WHERE price > 20

ORDER BY price ASC;

| **Query3** | |
| --- | --- |
| **title** | **price** |
| Computer Phobic AND Non-Phobic Individuals: Behavior Variations | $21.59 |
| But Is It User Friendly? | $22.95 |
| Net Etiquette | $25.00 |

1. Find those pairs of books that have the same price.  
   (Your result should display book title and each pair of book titles should only appear once.)

SELECT DISTINCT b1.title, b2.title

FROM Books b1, Books b2

WHERE b1.price = b2.price AND b1.title < b2.title;

| **Query4** | |
| --- | --- |
| **b1.title** | **b2.title** |
| Onions, Leeks, and Garlic: Cooking Secrets of the Mediterranean | Secrets of Silicon Valley |

1. List all books published by New Moon Books.  
   (Your result should display book titles.)

SELECT title

FROM Books, Publishers

WHERE pub\_name = 'New Moon Books';

| **Query5** |
| --- |
| **title** |
| The Busy Executive's Database Guide |
| You Can Combat Computer Stress! |
| But Is It User Friendly? |
| Secrets of Silicon Valley |
| Net Etiquette |
| Computer Phobic AND Non-Phobic Individuals: Behavior Variations |
| Is Anger the Enemy? |
| Emotional Security: A New Algorithm |
| Onions, Leeks, and Garlic: Cooking Secrets of the Mediterranean |
| Fifty Years in Buckingham Palace Kitchens |

1. List all authors whose book was published by Binnet & Hardley.  
   (Your result should display author's name.)

SELECT Authors.au\_name

FROM Authors

JOIN Writes

ON Authors.au\_id = Writes.au\_id

JOIN Books

ON Books.title = Writes.title

JOIN Publishers

ON Books.pub\_id = Publishers.pub\_id

WHERE Publishers.pub\_name = "Binnet & Hardley"

| **Query6** |
| --- |
| **au\_name** |
| Livia Karsen |
| Reginald Blotchet-Halls |
| Sylvia Panteley |

1. Find Publishers which publish more than 3 books.  
   (Your result should display publisher's name.)

SELECT pub\_name

FROM

(

SELECT DISTINCT pub\_name, COUNT(\*) AS book\_count

FROM Publishers, Books

WHERE Publishers.pub\_id = Books.pub\_id

GROUP BY Publishers.pub\_name

)

WHERE book\_count > 3

| **Query7** |
| --- |
| **pub\_name** |
| Algodata Infosystems |

1. Insert a new publisher, Ramona Publishers, which is located in Dallas, TX and id is 1756.

Query:

INSERT INTO Publishers (pub\_id, pub\_name, city, state)

VALUES (1756, "Ramona Publishers", "Dallas", "TX")

Before:

| **Publishers** | | | |
| --- | --- | --- | --- |
| **pub\_id** | **pub\_name** | **city** | **state** |
| 0736 | New Moon Books | Boston | MA |
| 0877 | Binnet & Hardley | Washington | DC |
| 1389 | Algodata Infosystems | Berkeley | CA |
| 1622 | Five Lakes Publishing | Chicago | IL |
| 9952 | Scootney Books | New York | NY |

After:

| **Publishers** | | | |
| --- | --- | --- | --- |
| **pub\_id** | **pub\_name** | **city** | **state** |
| 0736 | New Moon Books | Boston | MA |
| 0877 | Binnet & Hardley | Washington | DC |
| 1389 | Algodata Infosystems | Berkeley | CA |
| 1622 | Five Lakes Publishing | Chicago | IL |
| 1756 | Ramona Publishers | Dallas | TX |
| 9952 | Scootney Books | New York | NY |

1. Increase $2 to those books whose price is lower than $10.

UPDATE Books SET price = price + 2

WHERE price < 10

Before:

| **Books** | | | |
| --- | --- | --- | --- |
| **title** | **pub\_id** | **price** | **ytd\_sales** |
| You Can Combat Computer Stress! | 0736 | $2.99 | 18722 |
| Is Anger the Enemy? | 0736 | $10.95 | 2045 |
| Emotional Security: A New Algorithm | 0736 | $7.99 | 3336 |
| Computer Phobic AND Non-Phobic Individuals: Behavior Variations | 0877 | $21.59 | 375 |
| Onions, Leeks, and Garlic: Cooking Secrets of the Mediterranean | 0877 | $20.00 | 375 |
| Fifty Years in Buckingham Palace Kitchens | 0877 | $11.95 | 15096 |
| The Busy Executive's Database Guide | 1389 | $19.99 | 4095 |
| But Is It User Friendly? | 1389 | $22.95 | 8780 |
| Secrets of Silicon Valley | 1389 | $20.00 | 4095 |
| Net Etiquette | 1389 | $25.00 | 2465 |

After:

| **Books** | | | |
| --- | --- | --- | --- |
| **title** | **pub\_id** | **price** | **ytd\_sales** |
| You Can Combat Computer Stress! | 0736 | $4.99 | 18722 |
| Is Anger the Enemy? | 0736 | $10.95 | 2045 |
| Emotional Security: A New Algorithm | 0736 | $9.99 | 3336 |
| Computer Phobic AND Non-Phobic Individuals: Behavior Variations | 0877 | $21.59 | 375 |
| Onions, Leeks, and Garlic: Cooking Secrets of the Mediterranean | 0877 | $20.00 | 375 |
| Fifty Years in Buckingham Palace Kitchens | 0877 | $11.95 | 15096 |
| The Busy Executive's Database Guide | 1389 | $19.99 | 4095 |
| But Is It User Friendly? | 1389 | $22.95 | 8780 |
| Secrets of Silicon Valley | 1389 | $20.00 | 4095 |
| Net Etiquette | 1389 | $25.00 | 2465 |

1. Delete publishers who are located in Chicago.

DELETE FROM Publishers

WHERE Publishers.city = "Chicago"

Before:

| **Publishers** | | | |
| --- | --- | --- | --- |
| **pub\_id** | **pub\_name** | **city** | **state** |
| 0736 | New Moon Books | Boston | MA |
| 0877 | Binnet & Hardley | Washington | DC |
| 1389 | Algodata Infosystems | Berkeley | CA |
| 1622 | Five Lakes Publishing | Chicago | IL |
| 1756 | Ramona Publishers | Dallas | TX |
| 9952 | Scootney Books | New York | NY |

After:

| **Publishers** | | | |
| --- | --- | --- | --- |
| **pub\_id** | **pub\_name** | **city** | **state** |
| 0736 | New Moon Books | Boston | MA |
| 0877 | Binnet & Hardley | Washington | DC |
| 1389 | Algodata Infosystems | Berkeley | CA |
| #Deleted | #Deleted | #Deleted | #Deleted |
| 1756 | Ramona Publishers | Dallas | TX |
| 9952 | Scootney Books | New York | NY |