**Single Table**

1.

SELECT BOOK\_CODE, TITLE

FROM BOOK;

2.

SELECT \*

FROM PUBLISHER;

3.

SELECT PUBLISHER\_NAME

FROM PUBLISHER

WHERE CITY = 'Boston';

4.

SELECT PUBLISHER\_NAME

FROM PUBLISHER

WHERE CITY <> 'Boston';

5.

SELECT BRANCH\_NAME

FROM BRANCH

WHERE NUM\_EMPLOYEES >=9;

6.

SELECT BOOK\_CODE, TITLE

FROM BOOK

WHERE TYPE = 'SFI';

7.

SELECT BOOK\_CODE, TITLE

FROM BOOK

WHERE TYPE = 'SFI'

AND PAPERBACK = 'Y';

8.

SELECT BOOK\_CODE, TITLE

FROM BOOK

WHERE TYPE = 'SFI'

OR PUBLISHER\_CODE = 'SC';

9.

SELECT BOOK\_CODE, TITLE, PRICE

FROM BOOK

WHERE PRICE BETWEEN 20 AND 30;

10.

SELECT BOOK\_CODE, TITLE

FROM BOOK

WHERE TYPE = 'MYS'

AND PRICE < 20;

11.

SELECT BOOK\_CODE, TITLE, PRICE \* .90 AS DISCOUNTED\_PRICE

FROM BOOK;

12.

SELECT PUBLISHER\_NAME

FROM PUBLISHER

WHERE PUBLISHER\_NAME LIKE '% and %';

13.

SELECT BOOK\_CODE, TITLE

FROM BOOK

WHERE TYPE IN ('SFI', 'MYS', 'ART');

14.

SELECT BOOK\_CODE, TITLE

FROM BOOK

WHERE TYPE IN ('SFI', 'MYS', 'ART')

ORDER BY TITLE;

15.

SELECT BOOK\_CODE, TITLE, PRICE

FROM BOOK

WHERE TYPE IN ('SFI', 'MYS', 'ART')

ORDER BY PRICE DESC, TITLE;

16.

SELECT DISTINCT TYPE

FROM BOOK;

17.

SELECT COUNT(\*)

FROM BOOK

WHERE TYPE = 'SFI';

18.

SELECT TYPE, AVG(PRICE)

FROM BOOK

GROUP BY TYPE;

19.

SELECT TYPE, AVG(PRICE)

FROM BOOK

WHERE PAPERBACK = 'Y'

GROUP BY TYPE;

20.

SELECT TYPE, AVG(PRICE)

FROM BOOK

WHERE PAPERBACK = 'Y'

GROUP BY TYPE

HAVING AVG(PRICE) > 10;

21.

SELECT TITLE, PRICE

FROM BOOK

WHERE PRICE =

(SELECT MAX(PRICE)

FROM BOOK);

22.

SELECT TITLE, PRICE

FROM BOOK

WHERE PRICE =

(SELECT MIN(PRICE)

FROM BOOK);

23.

SELECT SUM(NUM\_EMPLOYEES)

FROM BRANCH;

**Multiple Table**

1.

SELECT BOOK\_CODE, TITLE, BOOK.PUBLISHER\_CODE, PUBLISHER\_NAME

FROM BOOK, PUBLISHER

WHERE BOOK.PUBLISHER\_CODE = PUBLISHER.PUBLISHER\_CODE

ORDER BY PUBLISHER\_NAME;

2.

SELECT BOOK\_CODE, TITLE, PRICE

FROM BOOK, PUBLISHER

WHERE BOOK.PUBLISHER\_CODE = PUBLISHER.PUBLISHER\_CODE

AND PUBLISHER\_NAME = 'Plume';

3.

SELECT BOOK\_CODE, TITLE, PRICE

FROM BOOK, PUBLISHER

WHERE BOOK.PUBLISHER\_CODE = PUBLISHER.PUBLISHER\_CODE

AND PUBLISHER\_NAME = 'Plume'

AND PRICE >= 14;

4.

SELECT BOOK.BOOK\_CODE, TITLE, ON\_HAND

FROM INVENTORY, BOOK

WHERE INVENTORY.BOOK\_CODE = BOOK.BOOK\_CODE

AND BRANCH\_NUM = '4';

5.

SELECT TITLE

FROM BOOK, PUBLISHER

WHERE BOOK.PUBLISHER\_CODE = PUBLISHER.PUBLISHER\_CODE

AND TYPE = 'PSY'

AND PUBLISHER\_NAME = 'Jove Publications';

6.

SELECT TITLE

FROM BOOK

WHERE BOOK\_CODE IN

(SELECT BOOK\_CODE

FROM WROTE

WHERE AUTHOR\_NUM = '18');

7.

SELECT TITLE

FROM BOOK

WHERE EXISTS

(SELECT \*

FROM WROTE

WHERE BOOK.BOOK\_CODE = WROTE.BOOK\_CODE

AND AUTHOR\_NUM = '18');

8.

SELECT BOOK.BOOK\_CODE, TITLE

FROM BOOK, INVENTORY, WROTE

WHERE BOOK.BOOK\_CODE = INVENTORY.BOOK\_CODE

AND BOOK.BOOK\_CODE = WROTE.BOOK\_CODE

AND BRANCH\_NUM = '2'

AND AUTHOR\_NUM = '20';

9.

SELECT F.BOOK\_CODE, S.BOOK\_CODE, F.PRICE

FROM BOOK F, BOOK S

WHERE F.PRICE = S.PRICE

AND F.BOOK\_CODE < S.BOOK\_CODE

ORDER BY F.BOOK\_CODE, S.BOOK\_CODE;

10.

SELECT TITLE, AUTHOR\_LAST, ON\_HAND

FROM INVENTORY, BOOK, WROTE, AUTHOR

WHERE INVENTORY.BOOK\_CODE = BOOK.BOOK\_CODE

AND WROTE.BOOK\_CODE = BOOK.BOOK\_CODE

AND WROTE.AUTHOR\_NUM = AUTHOR.AUTHOR\_NUM

AND BRANCH\_NUM = '4';

11.

SELECT TITLE, AUTHOR\_LAST, ON\_HAND

FROM INVENTORY, BOOK, WROTE, AUTHOR

WHERE INVENTORY.BOOK\_CODE = BOOK.BOOK\_CODE

AND WROTE.BOOK\_CODE = BOOK.BOOK\_CODE

AND WROTE.AUTHOR\_NUM = AUTHOR.AUTHOR\_NUM

AND BRANCH\_NUM = '4'

AND PAPERBACK = 'Y';

12.

SELECT BOOK\_CODE, TITLE

FROM BOOK

WHERE PRICE > 10

UNION

SELECT BOOK\_CODE, TITLE

FROM BOOK, PUBLISHER

WHERE BOOK.PUBLISHER\_CODE = PUBLISHER.PUBLISHER\_CODE

AND CITY = 'Boston';

13.

SELECT BOOK\_CODE, TITLE

FROM BOOK

WHERE PRICE > 10

AND BOOK\_CODE NOT IN

(SELECT BOOK\_CODE

FROM BOOK, PUBLISHER

WHERE BOOK.PUBLISHER\_CODE = PUBLISHER.PUBLISHER\_CODE

AND CITY = 'Boston');

14.

SELECT BOOK\_CODE, TITLE

FROM BOOK

WHERE PRICE > ALL

(SELECT PRICE

FROM BOOK

WHERE TYPE = 'HOR');

15.

SELECT BOOK\_CODE, TITLE

FROM BOOK

WHERE PRICE > ANY

(SELECT PRICE

FROM BOOK

WHERE TYPE = 'HOR');

16.

SELECT BOOK.BOOK\_CODE, TITLE, ON\_HAND

FROM BOOK

LEFT JOIN INVENTORY

ON BOOK.BOOK\_CODE = INVENTORY.BOOK\_CODE

AND BRANCH\_NUM = '2';