데이터베이스

4,5주차 과제

202020677 소프트웨어과 신동기

/\*연습문제 1번\*/

SELECT Bookname

FROM Book

WHERE bookid=1;

1-2

SELECT Bookname

FROM Book

WHERE price <=20000;

1-3

SELECT SUM(saleprice)

FROM orders

WHERE custid=1;

1-4

SELECT MAX(bookid)

FROM orders

WHERE custid=1;

/\*연습문제 2번\*/

SELECT MAX(bookid)

FROM Book;

2-2

SELECT COUNT(DISTINCT publisher)

FROM book;

2-3

SELECT name,address

FROM customer;

2-4

SELECT orderid

FROM orders

WHERE orderdate BETWEEN 2014-07-04 AND 2014-07-07;

2-5

SELECT orderid

FROM orders

WHERE orderdate NOT BETWEEN 214-07-04 AND 2014-07-07);

2-6

SELECT name

FROM customer

WHERE name like ‘김%’;

2-7

SELECT name,address

FROM customer

WHERE name LIKE ‘김%아’;

/\*연습문제 3번\*/

SELECT count

FROM book

WHERE bookid in(SELECT bookid FROM orders WHERE custid=(SELECT custid FROM customer WHERE name=”박지성”));

3-1

SELECT bookname

FROM orders JOIN book ON orders.bookid = book.bookid

WHERE custid = (SELECT custid FROM customer WHERE name = "박지성");

3-2

SELECT \*

FROM book

WHERE not exists(SELECT bookname FROM orders WHERE orders.bookid = book.bookid AND orders.custid = (SELECT custid FROM customer WHERE name = "박지성"));

/\*연습문제 4번\*/

SELECT name

FROM customer

WHERE not exists(SELECT custid FROM orders WHERE customer.custid = orders.custid);

4-2

SELECT sum(orders.saleprice) as "총액", round(avg(orders.saleprice)) as "평균 금액"

FROM orders;

4-3

SELECT customer.name, SUM(orders.saleprice)

FROM orders JOIN customer ON orders.custid = customer.custid

GROUP BY orders.custid;

4-4

SELECT customer.name, book.bookname

FROM orders LEFT JOIN customer ON orders.custid = customer.custid LEFT JOIN book ON orders.bookid = book.bookid;

4-5

select \*

 from orders as o1

 where (select price

from book as b1

where b1.bookid = o1.bookid) - o1.saleprice = (select max(b2.price - o2.saleprice)

   from orders as o2, book as b2

   where o2.bookid = b2.bookid);

4.6

SELECT round(avg(saleprice))

FROM orders JOIN customer ON orders.custid = customer.custid GROUP BY orders.custid

HAVING AVG(saleprice) > (SELECT AVG(saleprice) FROM orders);

/\*연습문제 5번\*/

SELECT distinct name

FROM customer JOIN orders ON customer.custid = orders.custid

WHERE bookid IN (SELECT bookid

FROM book

WHERE customer.name NOT LIKE "박지성" AND publisher IN (SELECT publisher FROM orders JOIN book ON orders.bookid = book.bookid WHERE orders.custid = (SELECT custid FROM customer WHERE name LIKE "박지성")));

5-1

SELECT name

FROM customer c1

WHERE 2 >= (SELECT count(distinct publisher) FROM orders JOIN book ON orders.bookid = book.bookid JOIN customer ON orders.custid = customer.custid WHERE name LIKE c1.name);

/\*연습문제 6번 \*/

INSERT INTO book(bookid, bookname, publisher, price) VALUES(' ','스포츠 세계', '대한미디어', 10000);

추가 필요 데이터: bookid가 존재하지 않음.

6-2

DELETE FROM book

WHERE publisher = "삼성당";

6-3

DELETE FROM book

WHERE publisher = "이상미디어";

원인: orders에서 bookid가 7,8인 경우를 없애야 함.

6-4

UPDATE book

SET publisher = '대한출판사'

WHERE publisher = '대한미디어';