

JSP & Servlet

17강_SQL

데이터베이스의 데이터를 다루기 위한 SQL문에 대해서 학습합니다.

17-1 테이블 생성 및 삭제
17-2 데이터 추가, 수정, 삭제
17-3 데이터 검색

17-1 : 테이블 생성 및 삭제

```
-- table 생성
CREATE TABLE book (
  book_id NUMBER(4),
  book_name VARCHAR2(20),
  book_loc VARCHAR2(20)
);

-- 테이블 검색
SELECT * FROM tab;

-- 테이블 삭제
DROP TABLE book;

-- table 생성 - 제약조건
CREATE TABLE book (
  book_id NUMBER(4) CONSTRAINT book_id_pk PRIMARY KEY,
  book_name VARCHAR2(20),
  book_loc VARCHAR2(20)
);
```

	⚡ COLUMN_NAME	⚡ DATA_TYPE	⚡ NULLABLE	DATA_DEFAULT	⚡ COLUMN_ID	⚡ COMMENTS
1	BOOK_ID	NUMBER(4,0)	No	(null)	1	(null)
2	BOOK_NAME	VARCHAR2(20 BYTE)	Yes	(null)	2	(null)
3	BOOK_LOC	VARCHAR2(20 BYTE)	Yes	(null)	3	(null)

17-3 : 데이터 검색

-- 데이터 검색

SELECT * FROM book;

SELECT book_name, book_loc FROM book;

SELECT book_name AS 책이름, book_loc AS 책위치 FROM book;

-- 조건 - WHERE

SELECT * FROM book WHERE book_id > 3;

SELECT * FROM book WHERE book_id > 3 AND book_id <= 5;

-- 조건 - BETWEEN AND

SELECT * FROM book WHERE book_id BETWEEN 2 AND 4;

-- 조건 - LIKE

SELECT * FROM book WHERE book_id LIKE 3;

SELECT * FROM book WHERE book_loc LIKE '%3';

SELECT * FROM book WHERE book_name LIKE 'book%';

SELECT * FROM book WHERE book_name LIKE '%ok%';

-- 정렬

SELECT * FROM book ORDER BY book_id ASC;

SELECT * FROM book ORDER BY book_id DESC;

SELECT * FROM book ORDER BY book_name ASC;

SELECT * FROM book ORDER BY book_name DESC;

BOOK_ID	BOOK_N...	BOOK_LOC
1	book1	001-00001
2	book2	001-00002
3	book3	001-00003
4	book4	001-00004
5	book5	001-00005
7	book6	001-00006

BOOK_ID	BOOK_NAME	BOOK_LOC
2	book2	001-00002
3	book3	001-00003
4	book4	001-00004

BOOK_ID	BOOK_NAME	BOOK_LOC
3	book3	001-00003

BOOK_ID	BOOK_NAME	BOOK_LOC
7	book6	001-00006
5	book5	001-00005
4	book4	001-00004
3	book3	001-00003
2	book2	001-00002
1	book1	001-00001