
문제해결 7



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제 출 일	2025.10.20

한림대학교

명령 프롬프트

Num	PK	AI	FkNull	Logical Name	Name	Type	Default	Comment	+
1	✓	✓	+	게시판 ID	board_id	BIGINT			-
2			+	종류	type	VARCHAR(20)			-
3			+	제목	title	VARCHAR(50)			-
4			+	내용	content	TEXT			-
5			+	작성자 ID	writer_id	BIGINT			-
6			+	작성자 이름	writer_name	VARCHAR(50)			-
7			+	작성일자	create_dt	DATETIME			-
8			+	수정일자	update_dt	DATETIME			-
9			+	조회수	view_count	INT			-
10			+	삭제 여부	is_deleted	CHAR(1)			-

테이블 쿼리 만들어줘

DB 생성

```
[base) hataeyeong@hataeyeong-ui-MacBookPro ~ % mysql -u root -p  
[Enter password:  
Welcome to the MySQL monitor. Commands end with ; or \g.  
Your MySQL connection id is 14  
Server version: 8.0.42 Homebrew  
  
Copyright (c) 2000, 2025, Oracle and/or its affiliates.  
  
Oracle is a registered trademark of Oracle Corporation and/or its  
affiliates. Other names may be trademarks of their respective  
owners.  
  
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.  
  
[mysql]> show databases;  
+-----+  
| Database |  
+-----+  
| information_schema |  
| mysql |  
| performance_schema |  
| sys |  
| testdb |  
+-----+  
5 rows in set (0.07 sec)  
  
[mysql]> create database board;  
Query OK, 1 row affected (0.02 sec)  
  
[mysql]> show databases;  
+-----+  
| Database |  
+-----+  
| board |  
| information_schema |  
| mysql |  
| performance_schema |  
| sys |  
| testdb |  
+-----+  
6 rows in set (0.00 sec)
```

테이블 정의서

Properties Data 엔티티 관계도

테이블명: Board
엔진: InnoDB
자동 증가값: 12
charset: utf8mb4
Collation: utf8mb4_0900_ai_ci
설명:

컬럼명	#	데이터 타입	NotNull	자동 증가	키	디폴트	Extra	Expression	Comment
123 board_id	1	bigint	[v]	[v]	PRI		auto_increment		게시판 ID (PK)
AZ type	2	varchar(20)	[v]	[]					게시글 종류 (예: 자유, 공지, QnA)
AZ title	3	varchar(255)	[v]	[]					게시글 제목
AZ content	4	text	[v]	[]					게시글 내용
123 writer_id	5	bigint	[v]	[]					작성자 ID (FK)
AZ writer_name	6	varchar(50)	[v]	[]					작성자 이름 (캐싱용)
create_dt	7	datetime	[v]	[]		CURRENT_TIMESTAMP	DEFAULT_GENERATED		작성일자
update_dt	8	datetime	[]	[]			on update CURRENT_TIMESTAMP		수정일자
123 view_count	9	int	[v]	[]		0			조회수
AZ is_deleted	10	char(1)	[v]	[]		'N'			삭제 여부 (Y/N)

임시 데이터 생성

<Board> Script-4 × Board

```

CREATE TABLE `Board` (
    `board_id` BIGINT NOT NULL AUTO_INCREMENT COMMENT '게시판 ID',
    `type` VARCHAR(20) NOT NULL COMMENT '종류',
    `title` VARCHAR(50) NOT NULL COMMENT '제목',
    `content` TEXT NOT NULL COMMENT '내용',
    `writer_id` BIGINT NOT NULL COMMENT '작성자 ID',
    `writer_name` VARCHAR(50) NOT NULL COMMENT '작성자 이름',
    `create_dt` DATETIME NOT NULL COMMENT '작성일자',
    `update_dt` DATETIME NOT NULL COMMENT '수정일자',
    `view_count` INT NOT NULL DEFAULT 0 COMMENT '조회수',
    `is_deleted` CHAR(1) NOT NULL DEFAULT 'N' COMMENT '삭제 여부',
    PRIMARY KEY (board_id)
) COMMENT = '게시판';

INSERT INTO `Board`(`type`, `title`, `content`, `writer_id`, `writer_name`, `create_dt`, `update_dt`, `view_count`, `is_deleted`) VALUES ('type 01', 'title 01', 'content 01', 'writer_name 01', NOW(), '2025-10-20 07:05:12', '2025-10-20 07:05:12', 1, 'N');
INSERT INTO `Board`(`type`, `title`, `content`, `writer_id`, `writer_name`, `create_dt`, `update_dt`, `view_count`, `is_deleted`) VALUES ('type 02', 'title 02', 'content 02', 'writer_name 02', NOW(), '2025-10-20 07:05:13', '2025-10-20 07:05:13', 2, 'N');
INSERT INTO `Board`(`type`, `title`, `content`, `writer_id`, `writer_name`, `create_dt`, `update_dt`, `view_count`, `is_deleted`) VALUES ('type 03', 'title 03', 'content 03', 'writer_name 03', NOW(), '2025-10-20 07:05:14', '2025-10-20 07:05:14', 3, 'N');
INSERT INTO `Board`(`type`, `title`, `content`, `writer_id`, `writer_name`, `create_dt`, `update_dt`, `view_count`, `is_deleted`) VALUES ('type 04', 'title 04', 'content 04', 'writer_name 04', NOW(), '2025-10-20 07:05:15', '2025-10-20 07:05:15', 4, 'N');
INSERT INTO `Board`(`type`, `title`, `content`, `writer_id`, `writer_name`, `create_dt`, `update_dt`, `view_count`, `is_deleted`) VALUES ('type 05', 'title 05', 'content 05', 'writer_name 05', NOW(), '2025-10-20 07:05:16', '2025-10-20 07:05:16', 5, 'N');
INSERT INTO `Board`(`type`, `title`, `content`, `writer_id`, `writer_name`, `create_dt`, `update_dt`, `view_count`, `is_deleted`) VALUES ('type 06', 'title 06', 'content 06', 'writer_name 06', NOW(), '2025-10-20 07:05:17', '2025-10-20 07:05:17', 6, 'N');
INSERT INTO `Board`(`type`, `title`, `content`, `writer_id`, `writer_name`, `create_dt`, `update_dt`, `view_count`, `is_deleted`) VALUES ('type 07', 'title 07', 'content 07', 'writer_name 07', NOW(), '2025-10-20 07:05:18', '2025-10-20 07:05:18', 7, 'N');
INSERT INTO `Board`(`type`, `title`, `content`, `writer_id`, `writer_name`, `create_dt`, `update_dt`, `view_count`, `is_deleted`) VALUES ('type 08', 'title 08', 'content 08', 'writer_name 08', NOW(), '2025-10-20 07:05:19', '2025-10-20 07:05:19', 8, 'N');
INSERT INTO `Board`(`type`, `title`, `content`, `writer_id`, `writer_name`, `create_dt`, `update_dt`, `view_count`, `is_deleted`) VALUES ('type 09', 'title 09', 'content 09', 'writer_name 09', NOW(), '2025-10-20 07:05:20', '2025-10-20 07:05:20', 9, 'N');
INSERT INTO `Board`(`type`, `title`, `content`, `writer_id`, `writer_name`, `create_dt`, `update_dt`, `view_count`, `is_deleted`) VALUES ('type 10', 'title 10', 'content 10', 'writer_name 10', NOW(), '2025-10-20 07:05:20', '2025-10-20 07:05:20', 10, 'N');

select * from board;
delete from board;

TRUNCATE TABLE `Board`;

```

Statistics 1 Statistics 2 Board 3

select * from board

123 board_id	AZ type	AZ title	AZ content	123 writer_id	AZ writer_name	create_dt	update_dt	123 view_count	AZ is_deleted
1	type 01	title 01	content 01	1	writer_name 01	2025-10-20 07:05:12	2025-10-20 07:05:12	1	N
2	type 02	title 02	content 02	2	writer_name 02	2025-10-20 07:05:13	2025-10-20 07:05:13	2	N
3	type 03	title 03	content 03	3	writer_name 03	2025-10-20 07:05:14	2025-10-20 07:05:14	3	N
4	type 04	title 04	content 04	4	writer_name 04	2025-10-20 07:05:15	2025-10-20 07:05:15	4	N
5	type 05	title 05	content 05	5	writer_name 05	2025-10-20 07:05:16	2025-10-20 07:05:16	5	N
6	type 06	title 06	content 06	6	writer_name 06	2025-10-20 07:05:17	2025-10-20 07:05:17	6	N
7	type 07	title 07	content 07	7	writer_name 07	2025-10-20 07:05:18	2025-10-20 07:05:18	7	N
8	type 08	title 08	content 08	8	writer_name 08	2025-10-20 07:05:19	2025-10-20 07:05:19	8	N
9	type 09	title 09	content 09	9	writer_name 09	2025-10-20 07:05:20	2025-10-20 07:05:20	9	N
10	type 10	title 10	content 10	10	writer_name 10	2025-10-20 07:05:20	2025-10-20 07:05:20	10	N