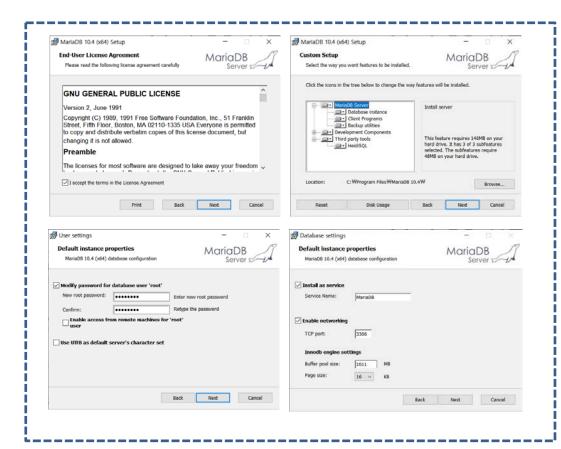
관계형 데이터베이스 (RELATIONAL DATABASE)

Maria DB

- MariaDB사가 제작한 오픈소스 RDMBS
 - MySQL
 - MySQL AB사에서 제작했던 소프트웨어
 - 오라클은 MySQL을 인수하면서 상업적으로 MySQL을 이용할 시 사용 료를 내도록 정책을 바꿈
 - 오라클의 정책에 반발한 MySQL 핵심 창업자중 한 명이었던 모티 와이드니어스가 2009년 동료들과 나와 MySQL코드기반으로 한 오픈소스 RDBMS를 개발
- MariaDB 특징
 - 무료로 모든 기능을 사용할 수 오픈 소스
 - MySQL에서 사용하고 있는 SQL문이나 명령문들을 그대로 MariaDB에서 채택

MariaDB 설치

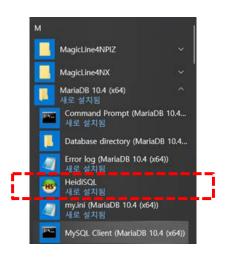
https://mariadb.com/downloads/

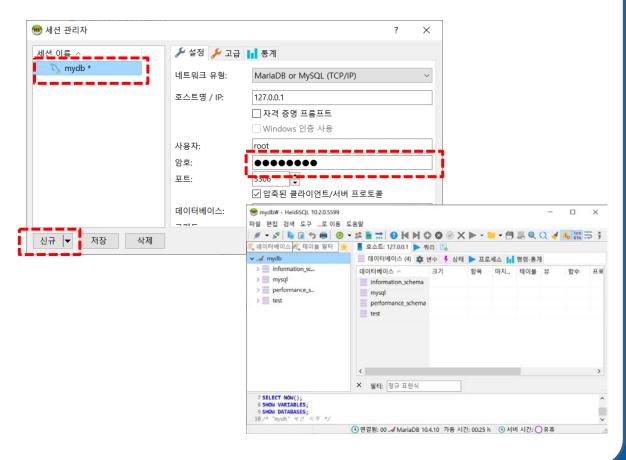


설치 후 확인 MagicLine4NPIZ MagicLine4NX MariaDB 10.4 (x64) Command Prompt (MariaDB 10.4... Database directory (MariaDB 10.4... Error log (MariaDB 10.4 (x64)) 새로 설치됨 HeidiSQL 새로 설치됨 my.ini (MariaDB 10.4 (x64)) 세로 열시점 MySQL Client (MariaDB 10.4 (x64)) ■ 선택 MySQL Client (MariaDB 10.4 (x64)) - "C:₩Program Files₩MariaDB 10... our MariaDB connection id is 8 erver version: 10.4.10-MariaDB mariadb.org binary distribution opyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others ype 'help;' or '\h' for help. Type '\c' to clear the current input s ariaDB [(none)]>

HeidiSQL 사용하기

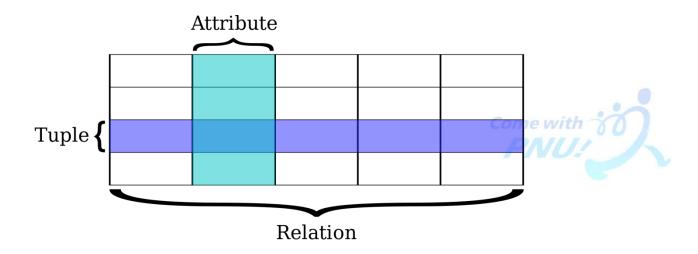
MariaDB를 손쉽게 사용하도록 돕는 GUI
 툴





관계형 데이터베이스

- 관계형 데이터베이스(Relational Database, RDB)
 - 키(key)와 값(value)들의 간단한 관계를 테이블화시킨 데이터베이스
 - Row: 튜플(tuple) 또는 레코드(record)
 - Column: 필드(field) 또는 속성(attribute)
 - 테이블(Table): 같은 속성을 공유하는 튜플의 모임
 - 뷰(View)
- 관계형 데이터베이스 시스템 (Relational Database Management System, RDBMS)
 - 관계형 데이터베이스를 생성하고 수정하고 관리할 수 있는 소프트웨어



SQL(Structured Query Language)

- SQL
 - 관계형 데이터베이스 관리 시스템(RDBMS)의 데이터를 관리하기 위해 설계된 특수 목적의 프 로그래밍 언어
- SQL 명령
 - DDL (Data Definition Language)
 - DB, 테이블이나 뷰등를 만들거나 삭제하는 명령어
 - DML (Data Manipulation Language)
 - 데이터 조작어로 DB에 데이터를 추가하거나 삭제하거나 내용을 갱신하는 명령어
 - DCL (Data Control Language)
 - 트랜잭션을 제어하는 명령과 데이터 접근 권한을 제어하는 명령

데이터베이스 생성/삭제/사용

- 데이터베이스 생성
 - CREATE DATABASE [IF NOT EXISTS] db명;
- 데이터베이스 삭제
 - DROP DATABASE [IF EXISTS] db명;
- 데이터베이스 조회
 - SHOW DATABASES;
- 데이터베이스 사용
 - USE db명;



테이블 생성

- CREATE TABLE [IF NOT EXISTS] tbl_name (col_name column_definition)
 - column_definition
 - <u>data type</u> [NOT NULL | NULL] [DEFAULT default_value | (expression)] [AUTO_INCREMENT] [ZEROFILL] [UNIQUE [KEY] | [PRIMARY] KEY]

종류	데이터타입	설명
숫자	TINYINT	-128 ~ 127 정수형, 0 ~ 255 정수형, UNSIGNED
	INT	-2147483648 ~ 2147483647 정수형
	FLOAT	작은 부동소수점
문자	CHAR	0 to 255 고정문자 길이
	VARCHAR	0~65535 가변 문자 길이
	TINYTEXT	최대 255 문자길이
	TEXT	최대 65535 문자길이
날짜	DATE	YYYY-MM-DD
	DATETIME	YYYY-MM-DD HH:MM:SS
	TIME	HH:MM:SS

테이블 생성 예

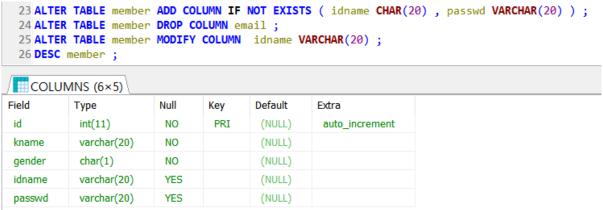
CREATE TABLE IF NOT EXISTS member (
num INT AUTO_INCREMENT PRIMARY KEY,
id VARCHAR(20) NOT NULL,
passwd VARCHAR(20) NOT NULL,
kname VARCHAR(20) NOT NULL,
gender CHAR(1) NOT NULL,
email VARCHAR(40)

44 DESC member ; COLUMNS (6×6)						
Field	Туре	Null	Key	Default	Extra	
num	int(11)	NO	PRI	(NULL)	auto_increment	
id	varchar(20)	NO		(NULL)		
passwd	varchar(20)	NO		(NULL)		
kname	varchar(20)	NO		(NULL)		
gender	char(1)	NO		(NULL)		
email	varchar(40)	YES		(NULL)		



테이블 수정/삭제

- ALTER TABLE tbl_name alter_specification
 - alter_specification
 - ADD [COLUMN] [IF NOT EXISTS] (col_name <u>column_definition</u>,...)
 - MODIFY [COLUMN] [IF EXISTS] col_name <u>column_definition</u>
 - DROP [COLUMN] [IF EXISTS] col_name



DROP TABLE [IF EXISTS] tbl_name



자료 추가/수정/삭제

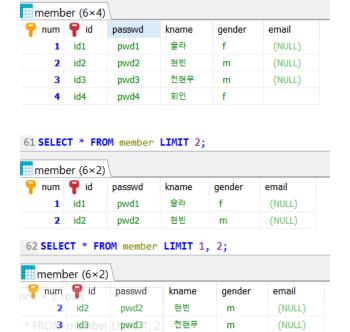
- 추가
 - INSERT INTO table_name VALUES (value1, value2, value3,...)
 - INSERT INTO table_name (column1, column2, column3,...)
 VALUES (value1, value2, value3,...)
- 수정
 - UPDATE table_name SET column1= value1, column2= value2
 WHERE 조건식
 - WHERE 절을 이용하여 수정 대상이 될 자료의 조건을 반드시 지정
- 삭제
 - DELETE FROM 테이블명 [WHERE 조건식]
 - WHERE 절을 이용하여 수정 대상이 될 자료의 조건을 반드시 지정
 - TRUNCATE 테이블명
 - 테이블의 전체 데이터를 삭제

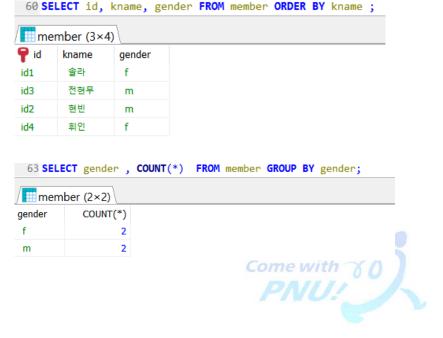


자료 조회

59 SELECT * FROM member ;

 SELECT column1, column2 FROM 테이블명 [ORDER BY 칼럼명 [ASC | DESC]] [GROUP BY 칼럼명] [LIMIT offset, 조회 할 행의 수]





실습

영화 정보를 저장하는 테이블을 생성하시 오.

Field	Туре	Null	Key	Default	Extra
id	int(11)	NO	PRI	(NULL)	auto_increment
mtitle	varchar(20)	NO		(NULL)	
rank	int(11)	YES		(NULL)	
imgurl	varchar(100)	YES		(NULL)	
star	float	YES		(NULL)	
cdate	char(10)	YES		(NULL)	
суу	int(11)	YES		(NULL)	



실습

극한직업

7 어벤져스: 엔드게임

• 자료 추가/수정/삭제

2 스파이더만: 홈 커밍 4 http://tl.daumcdn.net/movie/4f9750f09dac0f1b3659ae03cfe9ed7938be8d30 8.1 2017.07.01 3 신과함께-인과 연 1 http://tl.daumcdn.net/movie/e78737f6be1573f673b561f3fc0b32a8cffce820 6.8 2018.08.01 4 어벤져스: 인피니티워 2 http://tl.daumcdn.net/movie/d84b905224c91225aa2a15203aba3a354197c1d 7.6 2018.04.22 5 보해미안 랩소디 3 http://tl.daumcdn.net/movie/c83cd6a875284e8b96414ef3696756a11544772388211 9 2018.10.33 6 극한직업 1 http://tl.daumcdn.net/movie/5574fb2c20c844629aa9ad1d6043ee851555464908641 7.8 2019.01.22 7 어벤져스: 엔트게임 2 http://tl.daumcdn.net/movie/5574fb2c20c844629aa9ad1d6043ee851555464908641 7.8 2019.04.24 1 택시윤전사 2 http://tl.daumcdn.net/movie/4f9750f09dac0f1b3659ae03cfe9ed7938be8d30 8.1 2017.07.03 3 신과함께-인과 연 1 http://tl.daumcdn.net/movie/e78737f6be1573f673b561f3fc0b32a8cffce820 6.8 2018.08.04 4 어벤져스: 인피니티워 2 http://tl.daumcdn.net/movie/c98cf3e74671b88df0f2b31b516c0aaea2e1a816 9 2018.04.24 5 보헤미안 랩소디 3 http://tl.daumcdn.net/movie/e78737f6be1573f673b561f3fc0b32a8cffce820 6.8 2018.04.24 6 극한직업 1 http://tl.daumcdn.net/movie/c98cf3e74671b88df0f2b31b516c0aaea2e1a816 9 2017.07.0 7 어벤져스: 인피니티워 2 http://tl.daumcdn.net/movie/c98cf3e74671b88df0f2b31b516c0aaea2e1a816 9 2018.04.24 9 너머저는: 인피니티워 2 http://tl.daumcdn.net/movie/c98cf3e74671b88df0f2b31b516c0aaea2e1a816 9 2018.10.3 10 나라 한테스 2 http://tl.daumcdn.net/movie/c98cf3e74671b88df0f2b31b516c0aaea2e1a816 9 2018.10.3 10 나라 한테스 2 http://tl.daumcdn.net/movie/c98cf3e74671b88df0f2b31b516c0aaea2e1a816 9 2017.08.04.24 1 택시윤전사 2 http://tl.daumcdn.net/movie/c98cf3e74671b88df0f2b31b516c0aaea2e1a816 9 2017.08.04 1	🍟 id	mtitle	rank	imgurl	strar	cdate	суу
3 신과함께 인과 연 1 http://t1.daumcdn.net/movie/e78737f6be1573f673b561f3fc0b32a8cffce820 6.8 2018.08.07 4 어벤저스: 인피니티워 2 http://t1.daumcdn.net/movie/d848b905224c91225aa2a15203aba3a354197c1d 7.6 2018.04.22 5 보레미안 랩소디 3 http://t1.daumcdn.net/movie/e03cd6a875284e8b96414ef3696756a11544772388211 9 2018.10.33 6 극한직업 1 http://t1.daumcdn.net/movie/4e00e81f2b6f4d2eb65b3387240cc3c01547608409838 7.4 2019.01.22 7 어벤저스: 엔트게임 2 http://t1.daumcdn.net/movie/5574fb2c20c844629aa9ad1d6043ee851555464908641 7.8 2019.04.22	1	스파이더맨: 홈 커밍	4	http://t1.daumcdn.net/movie/4f9750f09dac0f1b3659ae03cfe9ed7938be8d30	8.1	2017.07.05	2,017
4 어벤저스: 인피니티워 2 http://t1.daumcdn.net/movie/dd84b905224c91225aa2a15203aba3a354197c1d 7.6 2018.04.2: 5 보헤미안 랩소디 3 http://t1.daumcdn.net/movie/ce3cd6a875284e8b96414ef3696756a11544772388211 9 2018.10.3: 6 극한직업 1 http://t1.daumcdn.net/movie/e00e81f2b6f4d2eb65b3387240cc3c01547608409838 7.4 2019.01.2: 7 어벤저스: 앤트게임 2 http://t1.daumcdn.net/movie/5574fb2c20c844629aa9ad1d6043ee851555464908641 7.8 2019.04.2: 1 택시운전사 2 http://t1.daumcdn.net/movie/c98cf3e74671b88df0f2b31b516c0aaea2e1a816 9 2017.08.0 2 스파이더맨: 홈커밍 4 http://t1.daumcdn.net/movie/e78737f6be1573f673b561f3fc0b32a8cffce820 6.8 2018.08.0 4 어벤저스: 인피니티워 2 http://t1.daumcdn.net/movie/e78737f6be1573f673b561f3fc0b32a8cffce820 6.8 2018.08.0 4 어벤저스: 인피니티워 2 http://t1.daumcdn.net/movie/d84b905224c91225aa2a15203aba3a354197c1d 7.6 2018.04.2 5 보헤미안 랩소디 3 http://t1.daumcdn.net/movie/ce3cd6a875284e8b96414ef3696756a11544772388211 9 2018.10.3 6 극한직업 1 http://t1.daumcdn.net/movie/de00e81f2b6f4d2eb65b3387240cc3c01547608409838 7.4 2019.01.2 7 어벤저스: 엔트게임 2 http://t1.daumcdn.net/movie/5574fb2c20c844629aa9ad1d6043ee851555464908641 7.8 2019.04.2 1 해ばle rank imgurl strar cdate 1 택시운전사 2 http://t1.daumcdn.net/movie/c98cf3e74671b88df0f2b31b516c0aaea2e1a816 9 2017.08.0 3 신과활제-인과 연 1 http://t1.daumcdn.net/movie/c98cf3e74671b88df0f2b31b516c0aaea2e1a816 9 2017.08.0 3 신과활제-인과 연 1 http://t1.daumcdn.net/movie/c98cf3e74671b88df0f2b31b516c0aaea2e1a816 9 2017.08.0	2	스파이더맨: 홈 커밍	4	http://t1.daumcdn.net/movie/4f9750f09dac0f1b3659ae03cfe9ed7938be8d30	8.1	2017.07.05	2,017
5 보헤미안 랩소디 3 http://t1.daumcdn.net/movie/ce3cd6a875284e8b96414ef3696756a11544772388211 9 2018.10.33 6 국한직업 1 http://t1.daumcdn.net/movie/4e00e81f2b6f4d2eb65b3387240cc3c01547608409838 7.4 2019.01.23 7 어벤져스: 엔드게임 2 http://t1.daumcdn.net/movie/5574fb2c20c844629aa9ad1d6043ee851555464908641 7.8 2019.04.2e id mtitle rank imgurl strar cdate 1 택시운전사 2 http://t1.daumcdn.net/movie/c98cf3e74671b88df0f2b31b516c0aaea2e1a816 9 2017.08.0 2 스파이더맨: 홈 커밍 4 http://t1.daumcdn.net/movie/e78737f6be1573f673b561f3fc0b32a8cffce820 6.8 2018.08.0 4 어벤져스: 인피니티 워 2 http://t1.daumcdn.net/movie/c98cf3e74671b88df0f2b3387240cc3c01547608409838 7.4 2019.01.2 5 보헤미안 랩소디 3 http://t1.daumcdn.net/movie/c93cd6a875284e8b96414ef3696756a11544772388211 9 2018.10.3 6 국한직업 1 http://t1.daumcdn.net/movie/c93cd6a875284e8b96414ef3696756a11544772388211 9 2018.10.3 7 어벤져스: 엔드게임 2 http://t1.daumcdn.net/movie/c93cd6a875284e8b96414ef3696756a11544772388211 9 2018.10.3 7 어벤져스: 엔드게임 2 http://t1.daumcdn.net/movie/c93cd6a875284e8b96414ef3696756a11555464908641 7.8 2019.01.2 id mtitle rank imgurl strar cdate 1 택시운전사 2 http://t1.daumcdn.net/movie/c98cf3e74671b88df0f2b31b516c0aaea2e1a816 9 2017.08.0 id mtitle rank imgurl strar cdate 2 http://t1.daumcdn.net/movie/c98cf3e74671b88df0f2b31b516c0aaea2e1a816 9 2017.08.0 id mtitle rank imgurl strar cdate 3 산과함께-인과 연 1 http://t1.daumcdn.net/movie/c98cf3e74671b88df0f2b31b516c0aaea2e1a816 9 2017.08.0 id http://t1.daumcdn.net/movie/c98cf3e74671b88df0f2b31b516c0aaea2e1a816 9 2017.08.0 id http://t1.daumcdn.net/movie/c98cf3e74671b88df0f2b31b516c0aaea2e1a816 9 2017.08.0	3	신과함께-인과 연	1	http://t1.daumcdn.net/movie/e78737f6be1573f673b561f3fc0b32a8cffce820	6.8	2018.08.01	2,018
6 국한작업 1 http://t1.daumcdn.net/movie/4e00e81f2b6f4d2eb65b3387240cc3c01547608409838 7.4 2019.01.22 7 어벤저스: 엔트게임 2 http://t1.daumcdn.net/movie/5574fb2c20c844629aa9ad1d6043ee851555464908641 7.8 2019.04.24 ☐ id mtitle rank imgurl strar cdate 1 택시운전사 2 http://t1.daumcdn.net/movie/c98cf3e74671b88df0f2b31b516c0aaea2e1a816 9 2017.08.0 2 스파이더맨: 홈커밍 4 http://t1.daumcdn.net/movie/4f9750f09dac0f1b3659ae03cfe9ed7938be8d30 8.1 2017.07.0 3 신과함께-인과 연 1 http://t1.daumcdn.net/movie/e78737f6be1573f673b561f3fc0b32a8cffce820 6.8 2018.08.0 4 어벤저스: 인피니티 워 2 http://t1.daumcdn.net/movie/d84b905224c91225aa2a15203aba3a354197c1d 7.6 2018.04.2 5 보해미안 랩스디 3 http://t1.daumcdn.net/movie/ce3cd6a875284e8b96414ef3696756a11544772388211 9 2018.10.3 6 국한작업 1 http://t1.daumcdn.net/movie/de00e81f2b6f4d2eb65b3387240cc3c01547608409838 7.4 2019.01.2 7 어벤저스: 엔트게임 2 http://t1.daumcdn.net/movie/5574fb2c20c844629aa9ad1d6043ee851555464908641 7.8 2019.04.2 ☐ id mtitle rank imgurl strar cdate 1 택시운전사 2 http://t1.daumcdn.net/movie/c98cf3e74671b88df0f2b31b516c0aaea2e1a816 9 2017.08. 3 신과함께-인과 연 1 http://t1.daumcdn.net/movie/c98cf3e74671b88df0f2b31b516c0aaea2e1a816 9 2017.08. 3 신과함께-인과 연 1 http://t1.daumcdn.net/movie/e78737f6be1573f673b561f3fc0b32a8cffce820 6.8 2018.08.	4	어벤져스: 인피니티 워	2	http://t1.daumcdn.net/movie/dd84b905224c91225aa2a15203aba3a354197c1d	7.6	2018.04.25	2,018
7 어벤져스: 엔트게임 2 http://t1.daumcdn.net/movie/5574fb2c20c844629aa9ad1d6043ee851555464908641 7.8 2019.04.24 **id** mtitle** rank** imgurl** strar* cdate** **1 택시운전사** 2 http://t1.daumcdn.net/movie/c98cf3e74671b88df0f2b31b516c0aaea2e1a816 9 2017.08.0 *2 스파이더맨: 홈 커밍 4 http://t1.daumcdn.net/movie/4f9750f09dac0f1b3659ae03cfe9ed7938be8d30 8.1 2017.07.0 *3 신과함께-인과 연 1 http://t1.daumcdn.net/movie/e78737f6be1573f673b561f3fc0b32a8cffce820 6.8 2018.08.0 *4 어벤저스: 인피니티워 2 http://t1.daumcdn.net/movie/dd84b905224c91225aa2a15203aba3a354197c1d 7.6 2018.04.2 *5 보레미안 랩소디 3 http://t1.daumcdn.net/movie/ce3cd6a875284e8b96414ef3696756a11544772388211 9 2018.10.3 *6 국한직업 1 http://t1.daumcdn.net/movie/4e00e81f2b6f4d2eb65b3387240cc3c01547608409838 7.4 2019.01.2 *7 어벤저스: 엔트게임 2 http://t1.daumcdn.net/movie/5574fb2c20c844629aa9ad1d6043ee851555464908641 7.8 2019.04.2 *** id** mtitle** rank** imgurl** imgurl** strar* cdate**	5	보헤미안 랩소디	3	http://t1.daumcdn.net/movie/ce3cd6a875284e8b96414ef3696756a11544772388211	9	2018.10.31	2,018
당 id mtitle rank imgurl strar cdate 1 택시운전사 2 http://t1.daumcdn.net/movie/c98cf3e74671b88df0f2b31b516c0aaea2e1a816 9 2017.08.0 2 스파이더맨: 홈 커밍 4 http://t1.daumcdn.net/movie/e78737f6be1573f673b561f3fc0b32a8dffce820 8.1 2017.07.0 3 신과함께-인과 연 1 http://t1.daumcdn.net/movie/e78737f6be1573f673b561f3fc0b32a8dffce820 6.8 2018.08.0 4 어벤져스: 인피니티 워 2 http://t1.daumcdn.net/movie/c93cd6a875284e8b96414ef3696756a11544772388211 9 2018.10.3 5 보헤미안 랩소디 3 http://t1.daumcdn.net/movie/4e00e81f2b6f4d2eb65b3387240cc3c01547608409838 7.4 2019.01.2 7 어벤져스: 엔드게임 2 http://t1.daumcdn.net/movie/5574fb2c20c844629aa9ad1d6043ee851555464908641 7.8 2019.04.2 당 id mtitle rank imgurl strar cdate 1 택시운전사 2 http://t1.daumcdn.net/movie/c98cf3e74671b88df0f2b31b516c0aaea2e1a816 9 2017.08.1 3 신과함께-인과 연 1 http://t1.daumcdn.net/movie/c98cf3e74671b88df0f2b31b516c0baaea2e1a816 6.8 20	6	극한직업	1	http://t1.daumcdn.net/movie/4e00e81f2b6f4d2eb65b3387240cc3c01547608409838	7.4	2019.01.23	2,019
1 택시운전사 2 http://t1.daumcdn.net/movie/c98cf3e74671b88df0f2b31b516c0aaea2e1a816 9 2017.08.0 2 스파이더맨: 홈커밍 4 http://t1.daumcdn.net/movie/4f9750f09dac0f1b3659ae03cfe9ed7938be8d30 8.1 2017.07.0 3 신과함께-인과 연 1 http://t1.daumcdn.net/movie/e78737f6be1573f673b561f3fc0b32a8cffce820 6.8 2018.08.0 4 어벤져스: 인피니티워 2 http://t1.daumcdn.net/movie/dd84b905224c91225aa2a15203aba3a354197c1d 7.6 2018.04.2 5 보헤미안 랩소디 3 http://t1.daumcdn.net/movie/ce3cd6a875284e8b96414ef3696756a11544772388211 9 2018.10.3 6 국한직업 1 http://t1.daumcdn.net/movie/4e00e81f2b6f4d2eb65b3387240cc3c01547608409838 7.4 2019.01.2 7 어벤져스: 엔트게임 2 http://t1.daumcdn.net/movie/5574fb2c20c844629aa9ad1d6043ee851555464908641 7.8 2019.04.2 □ id mtitle rank imgurl strar cdate 1 택시운전사 2 http://t1.daumcdn.net/movie/c98cf3e74671b88df0f2b31b516c0aaea2e1a816 9 2017.08.1 3 신과함께-인과 연 1 http://t1.daumcdn.net/movie/e78737f6be1573f673b561f3fc0b32a8cffce820 6.8 2018.08.1	7	어벤져스: 엔드게임	2	http://t1.daumcdn.net/movie/5574fb2c20c844629aa9ad1d6043ee851555464908641	7.8	2019.04.24	2,019
1 택시운전사 2 http://t1.daumcdn.net/movie/c98cf3e74671b88df0f2b31b516c0aaea2e1a816 9 2017.08.0 2 스파이더맨: 홈 커밍 4 http://t1.daumcdn.net/movie/4f9750f09dac0f1b3659ae03cfe9ed7938be8d30 8.1 2017.07.0 3 신과함께-인과 연 1 http://t1.daumcdn.net/movie/e78737f6be1573f673b561f3fc0b32a8cffce820 6.8 2018.08.0 4 어벤져스: 인피니티워 2 http://t1.daumcdn.net/movie/dd84b905224c91225aa2a15203aba3a354197c1d 7.6 2018.04.2 5 보헤미안 랩소디 3 http://t1.daumcdn.net/movie/ce3cd6a875284e8b96414ef3696756a11544772388211 9 2018.10.3 6 국한직업 1 http://t1.daumcdn.net/movie/4e00e81f2b6f4d2eb65b3387240cc3c01547608409838 7.4 2019.01.2 7 어벤져스: 엔드게임 2 http://t1.daumcdn.net/movie/5574fb2c20c844629aa9ad1d6043ee851555464908641 7.8 2019.04.2							
2 스파이더맨: 홈 커밍 4 http://t1.daumcdn.net/movie/4f9750f09dac0f1b3659ae03cfe9ed7938be8d30 8.1 2017.07.0 3 신과함께-인과 연 1 http://t1.daumcdn.net/movie/e78737f6be1573f673b561f3fc0b32a8cffce820 6.8 2018.08.0 4 어벤져스: 인피니티워 2 http://t1.daumcdn.net/movie/dd84b905224c91225aa2a15203aba3a354197c1d 7.6 2018.04.2 5 보헤미안 랩소디 3 http://t1.daumcdn.net/movie/ce3cd6a875284e8b96414ef3696756a11544772388211 9 2018.10.3 6 극한직업 1 http://t1.daumcdn.net/movie/4e00e81f2b6f4d2eb65b3387240cc3c01547608409838 7.4 2019.01.2 7 어벤져스: 엔드게임 2 http://t1.daumcdn.net/movie/5574fb2c20c844629aa9ad1d6043ee851555464908641 7.8 2019.04.2 □ id mtitle rank imgurl strar cdate 1 택시운전사 2 http://t1.daumcdn.net/movie/c98cf3e74671b88df0f2b31b516c0aaea2e1a816 9 2017.08.3 3 신과함께-인과 연 1 http://t1.daumcdn.net/movie/e78737f6be1573f673b561f3fc0b32a8cffce820 6.8 2018.08.3	T Id	mtitle	rank	imguri	strar	cdate	суу
3 신과함께-인과 연 1 http://t1.daumcdn.net/movie/e78737f6be1573f673b561f3fc0b32a8cffce820 6.8 2018.08.0 4 어벤져스: 인피니티워 2 http://t1.daumcdn.net/movie/dd84b905224c91225aa2a15203aba3a354197c1d 7.6 2018.04.2 5 보헤미안 랩소디 3 http://t1.daumcdn.net/movie/ce3cd6a875284e8b96414ef3696756a11544772388211 9 2018.10.3 6 국한직업 1 http://t1.daumcdn.net/movie/4e00e81f2b6f4d2eb65b3387240cc3c01547608409838 7.4 2019.01.2 7 어벤져스: 엔트게임 2 http://t1.daumcdn.net/movie/5574fb2c20c844629aa9ad1d6043ee851555464908641 7.8 2019.04.2	1	택시운전사	2	http://t1.daumcdn.net/movie/c98cf3e74671b88df0f2b31b516c0aaea2e1a816	9	2017.08.02	2,017
4 어벤져스: 인피니티워 2 http://t1.daumcdn.net/movie/dd84b905224c91225aa2a15203aba3a354197c1d 7.6 2018.04.2 5 보헤미안 랩소디 3 http://t1.daumcdn.net/movie/ce3cd6a875284e8b96414ef3696756a11544772388211 9 2018.10.3 6 국한직업 1 http://t1.daumcdn.net/movie/4e00e81f2b6f4d2eb65b3387240cc3c01547608409838 7.4 2019.01.2 7 어벤져스: 엔드게임 2 http://t1.daumcdn.net/movie/5574fb2c20c844629aa9ad1d6043ee851555464908641 7.8 2019.04.2	2	스파이더맨: 홈 커밍	4	http://t1.daumcdn.net/movie/4f9750f09dac0f1b3659ae03cfe9ed7938be8d30	8.1	2017.07.05	2,017
5 보헤미안 랩소디 3 http://t1.daumcdn.net/movie/ce3cd6a875284e8b96414ef3696756a11544772388211 9 2018.10.3 6 극한직업 1 http://t1.daumcdn.net/movie/4e00e81f2b6f4d2eb65b3387240cc3c01547608409838 7.4 2019.01.2 7 어벤져스: 엔드게임 2 http://t1.daumcdn.net/movie/5574fb2c20c844629aa9ad1d6043ee851555464908641 7.8 2019.04.2 □ id mtitle rank imgurl strar cdate 1 틱시운전사 2 http://t1.daumcdn.net/movie/c98cf3e74671b88df0f2b31b516c0aaea2e1a816 9 2017.08.3 3 신과함께-인과 연 1 http://t1.daumcdn.net/movie/e78737f6be1573f673b561f3fc0b32a8cffce820 6.8 2018.08.3	3	신과함께-인과 연	1	http://t1.daumcdn.net/movie/e78737f6be1573f673b561f3fc0b32a8cffce820	6.8	2018.08.01	2,018
6 국한직업 1 http://t1.daumcdn.net/movie/4e00e81f2b6f4d2eb65b3387240cc3c01547608409838 7.4 2019.01.2 7 어벤져스: 엔드게임 2 http://t1.daumcdn.net/movie/5574fb2c20c844629aa9ad1d6043ee851555464908641 7.8 2019.04.2 ☐ id mtitle rank imgurl strar cdate 1 택시운전사 2 http://t1.daumcdn.net/movie/c98cf3e74671b88df0f2b31b516c0aaea2e1a816 9 2017.08. 3 신과함께-인과 연 1 http://t1.daumcdn.net/movie/e78737f6be1573f673b561f3fc0b32a8cffce820 6.8 2018.08.	4	어벤져스: 인피니티 워	2	http://t1.daumcdn.net/movie/dd84b905224c91225aa2a15203aba3a354197c1d	7.6	2018.04.25	2,018
7 어벤져스: 엔드게임 2 http://t1.daumcdn.net/movie/5574fb2c20c844629aa9ad1d6043ee851555464908641 7.8 2019.04.2 id mtitle rank imgurl strar cdate 1 택시운전사 2 http://t1.daumcdn.net/movie/c98cf3e74671b88df0f2b31b516c0aaea2e1a816 9 2017.08. 3 신과함께-인과 연 1 http://t1.daumcdn.net/movie/e78737f6be1573f673b561f3fc0b32a8cffce820 6.8 2018.08.	5	보헤미안 랩소디	3	http://t1.daumcdn.net/movie/ce3cd6a875284e8b96414ef3696756a11544772388211	9	2018.10.31	2,018
id mtitle rank imgurl strar cdate 1 택시운전사 2 http://t1.daumcdn.net/movie/c98cf3e74671b88df0f2b31b516c0aaea2e1a816 9 2017.08. 3 신과함께-인과 연 1 http://t1.daumcdn.net/movie/e78737f6be1573f673b561f3fc0b32a8cffce820 6.8 2018.08.	6	극한직업	1	http://t1.daumcdn.net/movie/4e00e81f2b6f4d2eb65b3387240cc3c01547608409838	7.4	2019.01.23	2,019
1 택시운전사 2 http://t1.daumcdn.net/movie/c98cf3e74671b88df0f2b31b516c0aaea2e1a816 9 2017.08. 3 신과함께-인과 연 1 http://t1.daumcdn.net/movie/e78737f6be1573f673b561f3fc0b32a8cffce820 6.8 2018.08.	7	어벤져스: 엔드게임	2	http://t1.daumcdn.net/movie/5574fb2c20c844629aa9ad1d6043ee851555464908641	7.8	2019.04.24	2,019
1 택시운전사 2 http://t1.daumcdn.net/movie/c98cf3e74671b88df0f2b31b516c0aaea2e1a816 9 2017.08. 3 신과함께-인과 연 1 http://t1.daumcdn.net/movie/e78737f6be1573f673b561f3fc0b32a8cffce820 6.8 2018.08.							
3 신과함께-인과 연 1 http://t1.daumcdn.net/movie/e78737f6be1573f673b561f3fc0b32a8cffce820 6.8 2018.08.	💡 i	d mtitle	ran	k imgurl	stra	cdate	суу
		택시운전사	:	http://t1.daumcdn.net/movie/c98cf3e74671b88df0f2b31b516c0aaea2e1a816	9	2017.08.02	2,017
4 어벤져스: 인피니티 워 2 http://t1.daumcdn.net/movie/dd84b905224c91225aa2a15203aba3a354197c1d 7.6 2018.04.		신과함께-인과 연		http://t1.daumcdn.net/movie/e78737f6be1573f673b561f3fc0b32a8cffce820	6.8	2018.08.01	2,018
	-	어벤져스: 인피니티 워		http://t1.daumcdn.net/movie/dd84b905224c91225aa2a15203aba3a354197c1d	7.6	2018.04.25	2,018

http://t1.daumcdn.net/movie/ce3cd6a875284e8b96414ef3696756a11544772388211

http://t1.daumcdn.net/movie/4e00e81f2b6f4d2eb65b3387240cc3c01547608409838

2 http://t1.daumcdn.net/movie/5574fb2c20c844629aa9ad1d6043ee851555464908641

2018.10.31

2019.01.23

2019.04.24

2,018

2,019

2,019

실습

조호

- 년도별 순위별 제목

- 년도별 평균 평점

2019	1	극한직업
2019	2	어벤져스: 엔드게임
2019	4	알라딘
2019	4	알라딘
2018	1	신과함께-인과 연
2018	2	어벤져스: 인피니티 워
2018	3	보헤미안 랩소디
2018	5	신과함께-죄와 벌
2018	6	쥬라기 월드: 폴른 킹덤
2018	7	앤트맨과 와스프
2018	8	안시성
2017	4	스파이더맨: 홈 커밍

2017	8.10
2018	7.50
2019	8.00

