

데이터 베이스 실습 5_ 200194 정동진.

200194 정동진.

실습 5-1.

```
MySQL 8.0 Command Line Client
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 51
Server version: 8.0.41 MySQL Community Server - GPL

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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 |
+-----+
| employees |
| information_schema |
| modeldb |
| mysql |
| performance_schema |
| sakila |
| shopdb |
| sys |
| userdb |
| world |
+-----+
10 rows in set (0.01 sec)
```

```
MySQL 8.0 Command Line Client
mysql> use employees;
Database changed
mysql> show tables;
+-----+
| Tables_in_employees |
+-----+
| departments          |
| dept_emp              |
| dept_manager          |
| employees             |
| salaries              |
| titles                |
+-----+
6 rows in set (0.01 sec)

mysql> describe employees;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| emp_no     | int           | NO   | PRI | NULL    |       |
| birth_date | date          | NO   |     | NULL    |       |
| first_name  | varchar(14)   | NO   |     | NULL    |       |
| last_name   | varchar(16)   | NO   |     | NULL    |       |
| gender      | enum('M','F') | NO   |     | NULL    |       |
| hire_date   | date          | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.03 sec)
```

```
mysql> select last_name, hire_date from employees limit 10;
```

last_name	hire_date
Facello	1986-06-26
Simmel	1985-11-21
Bamford	1986-08-28
Koblick	1986-12-01
Maliniak	1989-09-12
Preusig	1989-06-02
Zielinski	1989-02-10
Kalloufi	1994-09-15
Peac	1985-02-18
Piveteau	1989-08-24

```
10 rows in set (0.07 sec)
```

실습 5-2.

Query 1

Limit to 1000 rows

```
1 • drop database if exists cookdb;
2 • create database cookdb;
3 |
```

Output

Action Output

#	Time	Action	Message
1	09:45:16	drop database if exists cookdb	0 row(s) affected, 1 warning(s): 1008 Can't drop database 'cookdb'; databas...
2	09:45:16	create database cookdb	1 row(s) affected

Query 1 x

Limit to 1000 rows

```

1 • use cookdb;
2
3 • create table usertbl
4 (  userid char(8) not null primary key,
5   username varchar(10) not null,
6   birthyear int not null,
7   addr char(2) not null,
8   mobile1 char(3),
9   mobile2 char(8),
10  height smallint,
11  mdate date
12 );
13
14 • create table buytbl
15 (  num int auto_increment not null primary key,
16   userid char(8) not null,
17   prodname char(6) not null,
18   groupname char(4),
19   price int not null,
20   amount smallint not null.

```

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 5	09:50:57	use cookdb	0 row(s) affected	0.000 sec
✗ 6	09:50:57	create table usertbl (userid char(8) not null primary key, username varchar(...	Error Code: 1060. Duplicate column name 'mobile1'	0.000 sec
✓ 7	09:52:35	use cookdb	0 row(s) affected	0.000 sec
✓ 8	09:52:35	create table usertbl (userid char(8) not null primary key, username varchar(...	0 row(s) affected	0.047 sec
✓ 9	09:52:35	create table buytbl (num int auto_increment not null primary key, userid cha...	0 row(s) affected	0.031 sec

```

14 • create table buytbl
15 (  num int auto_increment not null primary key,
16   userid char(8) not null,
17   prodname char(6) not null,
18   groupname char(4),
19   price int not null,
20   amount smallint not null,
21   foreign key (userid) references usertbl (userid)
22
23 );

```

how_to_insert_instances_into_tbl...

Limit to 1000 rows

```

1 • insert into usertbl values('YJS','유재석',1972,'서울','010','11111111',178,'2008-8-8');
2 • insert into usertbl values('KHD','강호동',1970,'경북','011','22222222',182,'2007-7-7');
3 • insert into usertbl values('KKJ','김국진',1965,'서울','019','33333333',171,'2009-9-9');
4 • insert into usertbl values('KYM','김용만',1967,'서울','010','44444444',177,'2015-5-5');
5 • insert into usertbl values('KJD','김제동',1974,'경남',NULL,NULL,173,'2013-3-3');
6 • insert into usertbl values('NHS','남희석',1971,'충남','016','66666666',180,'2017-4-4');
7 • insert into usertbl values('SDY','신동엽',1971,'경기',NULL,NULL,176,'2008-10-10');
8 • insert into usertbl values('LHJ','이휘재',1972,'경기','011','88888888',180,'2006-4-4');
9 • insert into usertbl values('LKK','이경규',1960,'경남','018','99999999',170,'2004-12-12');
10 • insert into usertbl values('PSH','박수홍',1970,'서울','010','00000000',183,'2012-5-5');
11
12 • insert into buytbl values(NULL,'KHD','운동화',NULL,30,2);
13 • insert into buytbl values(NULL,'KHD','노트북','전자',1000,1);
14 • insert into buytbl values(NULL,'KYM','모니터','전자',200,1);
15 • insert into buytbl values(NULL,'PSH','모니터','전자',200,5);
16 • insert into buytbl values(NULL,'KHD','정바지','의류',50,3);
17 • insert into buytbl values(NULL,'PSH','메모리','전자',80,10);
18 • insert into buytbl values(NULL,'KJD','책','서적',15,5);
19 • insert into buytbl values(NULL,'LHJ','책','서적',15,2);
20 • insert into buytbl values(NULL,'LHJ','정바지','의류',50,1);

```

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 27	10:13:03	insert into buytbl values(NULL,'LHJ','책','서적',15,2)	1 row(s) affected	0.000 sec
✓ 28	10:13:03	insert into buytbl values(NULL,'LHJ','정바지','의류',50,1)	1 row(s) affected	0.000 sec
✓ 29	10:13:03	insert into buytbl values(NULL,'PSH','운동화',NULL,30,2)	1 row(s) affected	0.000 sec
✓ 30	10:13:03	insert into buytbl values(NULL,'LHJ','책','서적',15,1)	1 row(s) affected	0.016 sec
✓ 31	10:13:03	insert into buytbl values(NULL,'PSH','운동화',NULL,30,2)	1 row(s) affected	0.000 sec

how_to_insert_instances_into_tbl...

Limit to 1000 rows

```

5 • insert into usertbl values('KJD','김제동',1974,'경남',NULL,NULL,173,'2013-3-3');
6 • insert into usertbl values('NHS','남희석',1971,'충남','016','66666666',180,'2017-4-4');
7 • insert into usertbl values('SDY','신동엽',1971,'경기',NULL,NULL,176,'2008-10-10');
8 • insert into usertbl values('LHJ','이휘재',1972,'경기','011','88888888',180,'2006-4-4');
9 • insert into usertbl values('LKK','이경규',1960,'경남','018','99999999',170,'2004-12-12');
10 • insert into usertbl values('PSH','박수홍',1970,'서울','010','00000000',183,'2012-5-5');
11
12 • insert into buytbl values(NULL,'KHD','운동화',NULL,30,2);
13 • insert into buytbl values(NULL,'KHD','노트북','전자',1000,1);
14 • insert into buytbl values(NULL,'KYM','모니터','전자',200,1);
15 • insert into buytbl values(NULL,'PSH','모니터','전자',200,5);
16 • insert into buytbl values(NULL,'KHD','정바지','의류',50,3);
17 • insert into buytbl values(NULL,'PSH','메모리','전자',80,10);
18 • insert into buytbl values(NULL,'KJD','책','서적',15,5);
19 • insert into buytbl values(NULL,'LHJ','책','서적',15,2);
20 • insert into buytbl values(NULL,'LHJ','정바지','의류',50,1);
21 • insert into buytbl values(NULL,'PSH','운동화',NULL,30,2);
22 • insert into buytbl values(NULL,'LHJ','책','서적',15,1);
23 • insert into buytbl values(NULL,'PSH','운동화',NULL,30,2);

```

how_to_select_then_show_all_c... x

Limit to 1000 rows

```

1 • SELECT * FROM usertbl;
2 • select * from buytbl;

```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

	num	userid	prodname	groupname	price	amount
▶	1	KHD	운동화	NULL	30	2
	2	KHD	노트북	전자	1000	1
	3	KYM	모니터	전자	200	1
	4	PSH	모니터	전자	200	5
	5	KHD	청바지	의류	50	3
	6	PSH	메모리	전자	80	10
	7	KJD	책	서적	15	5
	8	LHJ	책	서적	15	2
	9	LHJ	청바지	의류	50	1
	10	PSH	운동화	NULL	30	2
	11	LHJ	책	서적	15	1
	12	PSH	운동화	NULL	30	2
*	NULL	NULL	NULL	NULL	NULL	NULL

usertbl 1 buytbl 2 x

실습_쿼리문 x +

백업 시작 > 바탕 화면 > 1학기 > 데이터 베이스 시스템 > 실습_쿼리문

새로 만들기 > > 정렬 > 보기 > ...

이름	수정한 날짜	유형	크기
how_to_create_new_database_and_create...	2025-04-11 오전 10:33	SQL Text File	1KB
how_to_insert instances into tbl with qu...	2025-04-11 오전 10:13	SQL Text File	2KB
how_to_select_then_show_all_columns_...	2025-04-11 오전 10:15	SQL Text File	1KB

홈
 갤러리
 > 사랑받고파 - 개인
 바탕 화면

unconnected x

abase Server Tools Scripting Help

how_to_insert instances into tbl... x

Limit to 1000 rows

```
1 • insert into usertbl values('YJS', '유재석', 1972, '서울', '010', '11111111', 178, '2008-8-8');
2 • insert into usertbl values('KHD', '강호동', 1970, '경북', '011', '22222222', 182, '2007-7-7');
3 • insert into usertbl values('KKJ', '김국진', 1965, '서울', '019', '33333333', 171, '2009-9-9');
4 • insert into usertbl values('KYM', '김용만', 1967, '서울', '010', '44444444', 177, '2015-5-5');
5 • insert into usertbl values('KJD', '김재동', 1974, '경남', NULL, NULL, 173, '2013-3-3');
6 • insert into usertbl values('NHS', '남희석', 1971, '충남', '016', '66666666', 180, '2017-4-4');
7 • insert into usertbl values('SDY', '신동엽', 1971, '경기', NULL, NULL, 176, '2008-10-10');
8 • insert into usertbl values('LHJ', '이휘재', 1972, '경기', '011', '88888888', 180, '2006-4-4');
9 • insert into usertbl values('LKK', '이경규', 1960, '경남', '018', '99999999', 170, '2004-12-12');
10 • insert into usertbl values('PSH', '박수홍', 1970, '서울', '010', '00000000', 183, '2012-5-5');
11
12 • insert into buytbl values(NULL, 'KHD', '운동화', NULL, 30, 2);
13 • insert into buytbl values(NULL, 'KHD', '노트북', '전자', 1000, 1);
14 • insert into buytbl values(NULL, 'KYM', '모니터', '전자', 200, 1);
15 • insert into buytbl values(NULL, 'PSH', '모니터', '전자', 200, 5);
16 • insert into buytbl values(NULL, 'KHD', '청바지', '의류', 50, 3);
17 • insert into buytbl values(NULL, 'PSH', '메모리', '전자', 80, 10);
18 • insert into buytbl values(NULL, 'KJD', '책', '서적', 15, 5);
19 • insert into buytbl values(NULL, 'LHJ', '책', '서적', 15, 2);
20 • insert into buytbl values(NULL, 'LHJ', '청바지', '의류', 50, 1);
21 • insert into buytbl values(NULL, 'PSH', '운동화', NULL, 30, 2);
22 • insert into buytbl values(NULL, 'LHJ', '책', '서적', 15, 1);
23 • insert into buytbl values(NULL, 'PSH', '운동화', NULL, 30, 2);
```

Output

how_to_insert instances into tbl... x

Limit to 1000 rows

```
4 • insert into usertbl values('KYM', '김용만', 1967, '서울', '010', '44444444', 177, '2015-5-5');
5 • insert into usertbl values('KJD', '김재동', 1974, '경남', NULL, NULL, 173, '2013-3-3');
6 • insert into usertbl values('NHS', '남희석', 1971, '충남', '016', '66666666', 180, '2017-4-4');
7 • insert into usertbl values('SDY', '신동엽', 1971, '경기', NULL, NULL, 176, '2008-10-10');
8 • insert into usertbl values('LHJ', '이휘재', 1972, '경기', '011', '88888888', 180, '2006-4-4');
9 • insert into usertbl values('LKK', '이경규', 1960, '경남', '018', '99999999', 170, '2004-12-12');
10 • insert into usertbl values('PSH', '박수홍', 1970, '서울', '010', '00000000', 183, '2012-5-5');
11
12 • insert into buytbl values(NULL, 'KHD', '운동화', NULL, 30, 2);
13 • insert into buytbl values(NULL, 'KHD', '노트북', '전자', 1000, 1);
14 • insert into buytbl values(NULL, 'KYM', '모니터', '전자', 200, 1);
15 • insert into buytbl values(NULL, 'PSH', '모니터', '전자', 200, 5);
16 • insert into buytbl values(NULL, 'KHD', '청바지', '의류', 50, 3);
17 • insert into buytbl values(NULL, 'PSH', '메모리', '전자', 80, 10);
18 • insert into buytbl values(NULL, 'KJD', '책', '서적', 15, 5);
19 • insert into buytbl values(NULL, 'LHJ', '책', '서적', 15, 2);
20 • insert into buytbl values(NULL, 'LHJ', '청바지', '의류', 50, 1);
21 • insert into buytbl values(NULL, 'PSH', '운동화', NULL, 30, 2);
22 • insert into buytbl values(NULL, 'LHJ', '책', '서적', 15, 1);
23 • insert into buytbl values(NULL, 'PSH', '운동화', NULL, 30, 2);
```

Output


```
how_to_create_new_database_... x
Limit to 1000 rows

5 • create table usertbl
6 (  userid char(8) not null primary key,
7   username varchar(10) not null,
8   birthyear int not null,
9   addr char(2) not null,
10  mobile1 char(3),
11  mobile2 char(8),
12  height smallint,
13  mdate date
14 );
15
16 • create table buytbl
17 (  num int auto_increment not null primary key,
18   userid char(8) not null,
19   prodname char(6) not null,
20   groupname char(4),
21   price int not null,
22   amount smallint not null,
23   foreign key (userid) references usertbl (userid)
24 );
```