

## SQL文

```
mysql> CREATE TABLE user(userID int,name varchar(255),tell varchar(255),age int,birthday date,departmentID int,stationID int);
```

Query OK, 0 rows affected (0.01 sec)

```
mysql> INSERT INTO user (userID,name,tell,age,birthday,departmentID,stationID) VALUES(1,'田中実','012-345-6789',30,'1994-02-01',3,1);
```

Query OK, 1 row affected (0.00 sec)

```
mysql> INSERT INTO user (userID,name,tell,age,birthday,departmentID,stationID) VALUES(2,'鈴木茂','090-1122-3344',37,'1987-08-12',3,4);
```

Query OK, 1 row affected (0.00 sec)

```
mysql> INSERT INTO user (userID,name,tell,age,birthday,departmentID,stationID) VALUES(3,'鈴木実','080-5566-7788',24,'2000-12-24',2,5);
```

Query OK, 1 row affected (0.00 sec)

```
mysql> INSERT INTO user (userID,name,tell,age,birthday,departmentID,stationID) VALUES(4,'佐藤清','012-0987-6543',19,'2005-08-01',1,5);
```

Query OK, 1 row affected (0.01 sec)

```
mysql> INSERT INTO user (userID,name,tell,age,birthday,departmentID,stationID) VALUES(5,'高橋清','090-9900-1234',24,'2000-12-24',3,5);
```

Query OK, 1 row affected (0.00 sec)

```
mysql> SELECT * FROM user;
```

userID	name	tell	age	birthday	departmentID	stationID
1	田中実	012-345-6789	30	1994-02-01	3	1
2	鈴木茂	090-1122-3344	37	1987-08-12	3	4
3	鈴木実	080-5566-7788	24	2000-12-24	2	5
4	佐藤清	012-0987-6543	19	2005-08-01	1	5
5	高橋清	090-9900-1234	24	2000-12-24	3	5

5 rows in set (0.00 sec)

```
mysql> CREATE TABLE department(departmentID int primary key,departmentName varchar(255));
```

Query OK, 0 rows affected (0.02 sec)

```
mysql> CREATE TABLE station(stationID int primary key,stationName varchar(255));
```

Query OK, 0 rows affected (0.02 sec)

```
mysql> show columns from user;
```

Field	Type	Null	Key	Default	Extra
userID	int(11)	YES		NULL	
name	varchar(255)	YES		NULL	
tell	varchar(255)	YES		NULL	
age	int(11)	YES		NULL	
birthday	date	YES		NULL	
departmentID	int(11)	YES		NULL	
stationID	int(11)	YES		NULL	

7 rows in set (0.00 sec)

```
mysql> show columns from station;
```

ERROR 1146 (42S02): Table 'challenge\_db.station' doesn't exist

```
mysql> show tables;
```

```

+-----+
| Tables_in_challenge_db |
+-----+
| department      |
| profiles        |
| stationt        |
| user            |
+-----+
4 rows in set (0.00 sec)

```

```

mysql> INSERT INTO profiles (profilesID,name,tel,age,birthday) VALUES(4,'佐藤清
','012-0987-6543',19,'2005-08-01');
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO department (departmentID,departmentName) VALUES(1,'開発部');
Query OK, 1 row affected (0.01 sec)
mysql> INSERT INTO department (departmentID,departmentName) VALUES(2,'営業部');
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO department (departmentID,departmentName) VALUES(3,'総務部');
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO stationtt (stationID,stationName) VALUES(1,'九段下');
ERROR 1146 (42S02): Table 'challenge_db.stationtt' doesn't exist
mysql> INSERT INTO stationt (stationID,stationName) VALUES(1,'九段下');
Query OK, 1 row affected (0.01 sec)
mysql> INSERT INTO stationt (stationID,stationName) VALUES(2,'永田町');
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO stationt (stationID,stationName) VALUES(3,'渋谷');
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO stationt (stationID,stationName) VALUES(4,'神保町');
Query OK, 1 row affected (0.01 sec)
mysql> INSERT INTO stationt (stationID,stationName) VALUES(5,'上井草');
Query OK, 1 row affected (0.00 sec)
mysql> ALTER TABLE user ADD FOREIGN KEY (departmentID) REFERENCES department(departmentID);
Query OK, 5 rows affected (0.03 sec)
Records: 5 Duplicates: 0 Warnings: 0
mysql> ALTER TABLE user ADD FOREIGN KEY (stationID) REFERENCES stationt(stationID);
Query OK, 5 rows affected (0.02 sec)
Records: 5 Duplicates: 0 Warnings: 0
mysql> SELECT * FROM user;

```

```

+-----+-----+-----+-----+-----+-----+-----+
| userID | name   | tell      | age | birthday | departmentID | stationID |
+-----+-----+-----+-----+-----+-----+-----+
| 1 | 田中実 | 012-345-6789 | 30 | 1994-02-01 | 3 | 1 |
| 2 | 鈴木茂 | 090-1122-3344 | 37 | 1987-08-12 | 3 | 4 |
| 3 | 鈴木実 | 080-5566-7788 | 24 | 2000-12-24 | 2 | 5 |
| 4 | 佐藤清 | 012-0987-6543 | 19 | 2005-08-01 | 1 | 5 |
| 5 | 高橋清 | 090-9900-1234 | 24 | 2000-12-24 | 3 | 5 |
+-----+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

```

```

mysql> SELECT * FROM department;
+-----+-----+
| departmentID | departmentName |
+-----+-----+
| 1 | 開発部 |

```

2	営業部
3	総務部

3 rows in set (0.00 sec)

mysql> SELECT \* FROM station;

stationID	stationName
1	九段下
2	永田町
3	渋谷
4	神保町
5	上井草

5 rows in set (0.00 sec)

mysql> show columns from department;

Field	Type	Null	Key	Default	Extra
departmentID	int(11)	NO	PRI	NULL	
departmentName	varchar(255)	YES		NULL	

2 rows in set (0.01 sec)

mysql> show columns from station;

Field	Type	Null	Key	Default	Extra
stationID	int(11)	NO	PRI	NULL	
stationName	varchar(255)	YES		NULL	

2 rows in set (0.01 sec)

mysql> show columns from user;

Field	Type	Null	Key	Default	Extra
userID	int(11)	YES		NULL	
name	varchar(255)	YES		NULL	
tell	varchar(255)	YES		NULL	
age	int(11)	YES		NULL	
birthday	date	YES		NULL	
departmentID	int(11)	YES	MUL	NULL	
stationID	int(11)	YES	MUL	NULL	

7 rows in set (0.00 sec)

```
mysql> SELECT * FROM user;
+-----+-----+-----+-----+-----+-----+-----+
| userID | name  | tell      | age | birthday | departmentID | stationID |
+-----+-----+-----+-----+-----+-----+-----+
| 1 | 田中英 | 012-345-6789 | 30 | 1994-02-01 | 3 | 1 |
| 2 | 鈴木茂 | 090-1122-3344 | 37 | 1987-08-12 | 3 | 4 |
| 3 | 鈴木英 | 090-5566-7788 | 24 | 2000-12-24 | 2 | 5 |
| 4 | 佐藤清 | 012-0987-6543 | 19 | 2005-08-01 | 1 | 5 |
| 5 | 高橋清 | 090-9900-1234 | 24 | 2000-12-24 | 3 | 5 |
+-----+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> SELECT * FROM department;
+-----+-----+
| departmentID | departmentName |
+-----+-----+
| 1 | 開発部 |
| 2 | 営業部 |
| 3 | 総務部 |
+-----+-----+
3 rows in set (0.00 sec)

mysql> SELECT * FROM station;
+-----+-----+
| stationID | stationName |
+-----+-----+
| 1 | 九段下 |
| 2 | 永田町 |
| 3 | 渋谷 |
| 4 | 神保町 |
| 5 | 上井草 |
+-----+-----+
5 rows in set (0.00 sec)

mysql> show columns from department;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| departmentID | int(11) | NO | PRI | NULL | |
| departmentName | varchar(255) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.01 sec)

mysql> show columns from station;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| stationID | int(11) | NO | PRI | NULL | |
| stationName | varchar(255) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
```

```
mysql> show columns from user;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| userID | int(11) | YES | | NULL | |
| name | varchar(255) | YES | | NULL | |
| tell | varchar(255) | YES | | NULL | |
| age | int(11) | YES | | NULL | |
| birthday | date | YES | | NULL | |
| departmentID | int(11) | YES | MUL | NULL | |
| stationID | int(11) | YES | MUL | NULL | |
+-----+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)
```