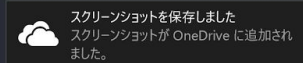


Primary key と foreign key の設定

```
commands111.sql
1  create table department(
2      ...departmentID int not null primary key auto_increment,
3      ...departmentName varchar(255)
4  );
5
6  insert into department (departmentName) values
7      ...('開発部'),
8      ...('営業部'),
9      ...('総務部');
```

```
10
11 create table station(
12     ...stationID int not null primary key auto_increment,
13     ...stationName varchar(255)
14 );
15
16 insert into station (stationName) values
17     ...('九段下'),
18     ...('永田町'),
19     ...('渋谷'),
20     ...('神保町'),
21     ...('上井草');
```

```
23 create table user(  
24     ...userID int not null primary key auto_increment,  
25     ...name varchar(255),  
26     ...tell varchar(255),  
27     ...age int,  
28     ...birthday date,  
29     ...departmentID int,  
30     ...stationID int,  
31     ...-- カラム名、テーブル名を選択するときは"じゃなくて`を使う。  
32     ...foreign key (`departmentID`) references  
    • `department`(`departmentID`),  
33     ...foreign key (`stationID`) references `station`(`stationID`)  
34 );
```



```
35  
36 insert into user (name, tell, age, birthday, departmentID,  
    • stationID) values  
37     ...('田中 実','012-345-6789', 30,'1994-02-01',3, 1),  
38     ...('鈴木 茂','090-1122-3344', 37,'1987-08-12',3, 4),  
39     ...('鈴木 実','080-5566-7788', 24,'2000-12-24',2, 5),  
40     ...('佐藤 清','012-0987-6543', 19,'2005-08-01',1, 5),  
41     ...('高橋 清','090-9900-1234', 24,'2000-12-24',3, 5);  
42
```

```
MariaDB [Challenge_db]> source C:/xampp/htdocs/tree/CampChallenge_PHP/commands111.sql;
Query OK, 0 rows affected (0.12 sec)
```

```
Query OK, 3 rows affected (0.00 sec)
Records: 3 Duplicates: 0 Warnings: 0
```

```
Query OK, 0 rows affected (0.07 sec)
```

```
Query OK, 5 rows affected (0.02 sec)
Records: 5 Duplicates: 0 Warnings: 0
```

```
Query OK, 0 rows affected (0.09 sec)
```

```
Query OK, 5 rows affected (0.01 sec)
Records: 5 Duplicates: 0 Warnings: 0
```

```
MariaDB [Challenge_db]> 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)
```

```
MariaDB [Challenge_db]> select * from depart ment;
ERROR 1146 (42S02): Table 'challenge_db.depart' doesn't exist
```

```
MariaDB [Challenge_db]> select * from department;
```

departmentID	departmentName
1	開発部
2	営業部
3	総務部

```
3 rows in set (0.00 sec)
```

```
MariaDB [Challenge_db]> 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)
```