

【データベース基礎】Primary KeyとForeign Keyの宣言

```
USE KATAGIRI_db;
```

```
CREATE TABLE department(departmentID int Primary Key,departmentName varchar(255));
```

```
INSERT INTO department(departmentID,departmentName)VALUES(1,'開発部');
```

```
INSERT INTO department(departmentID,departmentName)VALUES(2,'営業部');
```

```
INSERT INTO department(departmentID,departmentName)VALUES(3,'総務部');
```

```
CREATE TABLE station(stationID int Primary Key,stationName varchar(255));
```

```
INSERT INTO station(stationID,stationName)VALUES(1,'九段下');
```

```
INSERT INTO station(stationID,stationName)VALUES(2,'永田町');
```

```
INSERT INTO station(stationID,stationName)VALUES(3,'渋谷');
```

```
INSERT INTO station(stationID,stationName)VALUES(4,'神保町');
```

```
INSERT INTO station(stationID,stationName)VALUES(5,'上井草');
```

```
CREATE TABLE user(userID int,name varchar(255),tell varchar(255),age int,birthday date,departmentID int,stationID int,FOREIGN KEY(departmentID)REFERENCES department(departmentID),FOREIGN KEY(stationID)REFERENCES station(stationID));
```

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

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

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

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

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

```
SELECT*FROM user;
```

```
SELECT*FROM department;
```

```
SELECT*FROM station;
```

MariaDB [KATAGIRI_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 (0.03 sec)

MariaDB [KATAGIRI_db]> SELECT*FROM department;

departmentID	departmentName
1	開発部
2	営業部
3	総務部

3 rows in set (0.02 sec)

MariaDB [KATAGIRI_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)

MariaDB [KATAGIRI_db]> _

