

## (課題9) Primary Key と Foreign Keyの宣言

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

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

```
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)) ENGINE=InnoDB;
```

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

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

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

INSERT INTO station VALUES (1,'九段下');

INSERT INTO station VALUES (2,'永田町');

INSERT INTO station VALUES (3,'渋谷');

INSERT INTO station VALUES (4,'神保町');

INSERT INTO station VALUES (5,'上井草');

```
INSERT INTO user VALUES (1,'田中 実','012-345-6789',30,'1994-02-01',3,1);  
INSERT INTO user VALUES (2,'鈴木 茂','090-1122-3344',37,'1987-08-12',3,4);  
INSERT INTO user VALUES (3,'鈴木 実','080-5566-7788',24,'2000-12-24',2,5);  
INSERT INTO user VALUES (4,'佐藤 清','012-0987-6543',19,'2005-08-01',1,5);  
INSERT INTO user VALUES (5,'高橋 清','090-9900-1234',24,'2000-12-24',3,5);
```

```
SELECT * FROM user;
```

```
SELECT * FROM department;
```

```
SELECT * FROM station;
```

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 (0.13 sec)

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)