

*発行したSQL文

- ・「user」「department」「station」という名前のテーブルを作成

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

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

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

- ・「Foreign Key」を追加

```
ALTER TABLE user ADD FOREIGN KEY (departmentID) REFERENCES
department(departmentID);
```

```
ALTER TABLE user ADD FOREIGN KEY (stationID) REFERENCES
station(stationID);
```

- ・それぞれのテーブルにレコードを挿入

[department]

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

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

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

[station]

```
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');
```

[user]

```
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);
```

- ・それぞれのテーブルを全件検索、表示

```
SELECT * FROM user;
```

```
SELECT * FROM department;
```

```
SELECT * FROM station;
```

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

	userID	name	tell	age	birthday	departmentID	stationID
[1	田中 崑	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 崑	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 |
+-----+-----+
| 2018-05 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)
```