データベース基礎小問9

mysql> CREATE DATABASE challenge17_9;

mysql> USE challenge17_9;
Database changed

CREATE TABLE user(userID int PRIMARY KEY, name varchar(255), tell varchar(255), age int, birthday date, departmentID int, stationID int);

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);

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);

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);

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);

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);

```
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)
```

CREATE TABLE department(departmentID int PRIMARY KEY, departmentName varchar(255));

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

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

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

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

```
[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> CREATE TABLE station(stationID int PRIMARY KEY, stationName varchar(255));

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

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

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

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

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

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

```
[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)
```