課題
Primary Key と Foreign Keyの宣言

Sql構文

- create table user(userID int,name varchar(255),tell varchar(255),age int,birthday date,departmentID int,stationID int,PRIMARY KEY(userID)) ENGINE=InnoDB DEFAULT CHARSET=utf8;

- create table department(departmentID int,departmentName varchar(255), FOREIGN KEY (departmentID) REFERENCES user(userID)) ENGINE=InnoDB DEFAULT CHARSET=utf8;

- create table station(stationID int,stationName varchar(255), FOREIGN KEY (stationID) REFERENCES user(userID)) ENGINE=InnoDB DEFAULT CHARSET=utf8;

Sql構文

- INSERT INTO department VALUES (1,'開発部'),(2,'営業部'),
- (3,'総務部','080-5566-7788',24,'2000/12/24',2,5),(4,'佐藤 清','012-0987-6543',19,'2005/8/1',1,5),(5,'高橋 清','090-9900-1234',24,'2000/12/24',3,5);
- INSERT INTO department VALUES (1,'開発部'),(2,'営業部'), (3,'総務部');
- INSERT INTO station VALUES (1,'九段下'),(2,'永田町'), (3,'渋谷'), (4,'神保町'), (5,'神井草');
- SELECT * FROM user;
- SELECT * FROM department;
- SELECT * FROM station;

出力結果


```
+--------------+
| department   |
| profiles     |
| station      |
| user         |
+--------------+
4 rows in set (0.00 sec)

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 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 | 神井草      |
+-----------+-------------+
5 rows in set (0.06 sec)

MariaDB [Challenge_db]> drop table user;
```