

■メインテーブル作成 & 主キーを設定

```
MariaDB [Challenge_db]> CREATE TABLE dataBase9_user(userID INTEGER,name varchar(255),tell varchar(255),age int,birthday date,departmentID int,stationID int,PRIMARY KEY(userID));
```

```
MariaDB [Challenge_db]> CREATE TABLE dataBase9_department(departmentID int,departmentName varchar(255),PRIMARY KEY(departmentID));
```

```
MariaDB [Challenge_db]> CREATE TABLE dataBase9_station(stationID int, stationName varchar(255),PRIMARY KEY(stationID));
```

■外部キーを設定

```
MariaDB [Challenge_db]> ALTER TABLE dataBase9_user ADD FOREIGN KEY (departmentID) REFERENCES dataBase9_department (departmentID);
```

```
MariaDB [Challenge_db]> ALTER TABLE dataBase9_user ADD FOREIGN KEY (stationID) REFERENCES dataBase9_station (stationID);
```

Java／データベース基礎／XAMPPとMySQL／Primary Key と Foreign Keyの宣言

[SHOW CREATE TABLE ~;]の実行結果 →

[SELECT * FROM ~;]の実行結果



```
MariaDB [Challenge_db]> SELECT * FROM DataBase9_user;
+-----+-----+-----+-----+-----+-----+-----+
| userID | name  | tell  | age  | birthday | departmentID | stationID |
+-----+-----+-----+-----+-----+-----+-----+
| 1      | 田中 実 | 0120-345-6789 | 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 DataBase9_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 DataBase9_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 (0.01 sec)

MariaDB [Challenge_db]>
```

[illegible]