

初期設定

ユーザー設定

```
MariaDB [(none)]> /Applications/XAMPP/xamppfiles/bin/mysql -h localhost -u root  
-> CREATE yuri@'localhost'  
-> IDENTIFIED BY 'yuri1988';
```

```
[MariaDB [(none)]]> /Applications/XAMPP/xamppfiles/bin/mysql -h localhost -u root  
[ -> CREATE yuri@'localhost'  
[ -> IDENTIFIED BY 'yuri1988';  
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your  
MariaDB server version for the right syntax to use near '/Applications/XAMPP/xamppfiles/bin/mysql -h  
localhost -u root  
CREATE yuri@'local' at line 1  
[MariaDB [(none)]]> CREATE 'yuri'@'localhost' IDENTIFIED BY 'yuri1988';  
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your  
MariaDB server version for the right syntax to use near ''yuri'@'localhost' IDENTIFIED BY 'yuri1988'  
' at line 1  
[MariaDB [(none)]]> CREATE USER 'yuri'@'localhost' IDENTIFIED BY 'yuri1988';  
Query OK, 0 rows affected (0.08 sec)
```

課題1

create database Challenge_db;

```
[MariaDB [(none)]> create database Challenge_db;  
Query OK, 1 row affected (0.00 sec)
```

課題1

```
[MariaDB [challenge_db]> INSERT INTO profiles(profileID,name,tell,age,birthday)VALUES(1,'田中実','012]-345-6789',30,'1994-02-01');
```

```
[MariaDB [challenge_db]> INSERT INTO profiles(profileID,name,tell,age,birthday)VALUES(2,'鈴木茂','090]-1122-3344',37,'1987-08-12');  
Query OK, 1 row affected (0.01 sec)
```

```
[MariaDB [challenge_db]> INSERT INTO profiles(profileID,name,tell,age,birthday)VALUES(3,'鈴木実','080]-5566-7788',24,'2000-12-24');  
Query OK, 1 row affected (0.00 sec)
```

```
[MariaDB [challenge_db]> INSERT INTO profiles(profileID,name,tell,age,birthday)VALUES(4,'佐藤清','012]-0987-6543',19,'2005-08-01');  
Query OK, 1 row affected (0.01 sec)
```

```
[MariaDB [challenge_db]> INSERT INTO profiles(profileID,name,tell,age,birthday)VALUES(5,'高橋清','09]-0-9900-1234',24,'2000-12-24');  
Query OK, 1 row affected (0.01 sec)
```

```
[MariaDB [challenge_db]> SELECT*FROM profiles;
```

profileID	name	tell	age	birthday
1	田中実	012-345-6789	30	1994-02-01
2	鈴木茂	090-1122-3344	37	1987-08-12
3	鈴木実	080-5566-7788	24	2000-12-24
4	佐藤清	012-0987-6543	19	2005-08-01
5	高橋清	090-9900-1234	24	2000-12-24

```
5 rows in set (0.02 sec)
```

課題1 入力した文章

```
CREATE TABLE profiles(profileID int,name varchar(255),tell varchar(255),age int,birthday date );
```

```
INSERT INTO profiles(profileID,name,tell,age,birthday)VALUES(1,'田中実','012-345-6789',30,'1994-02-01');
```

```
INSERT INTO profiles(profileID,name,tell,age,birthday)VALUES(2,'鈴木茂','090-1122-3344',37,'1987-08-12');
```

```
INSERT INTO profiles(profileID,name,tell,age,birthday)VALUES(3,'鈴木実','080-5566-7788',24,'2000-12-24');
```

```
INSERT INTO profiles(profileID,name,tell,age,birthday)VALUES(4,'佐藤清','012-0987-6543',19,'2005-08-01');
```

```
INSERT INTO profiles(profileID,name,tell,age,birthday)VALUES(5,'高橋清','090-9900-1234',24,'2000-12-24');
```

課題2、3

```
[MariaDB [challenge_db]> SELECT profileID FROM 3 WHERE MariaDB [challenge_db]>SELECT * FROM profiles ]  
WHERE profileID=3;
```

profileID	name	tell	age	birthday
3	鈴木実	080-5566-7788	24	2000-12-24

1 row in set (0.10 sec)

```
[MariaDB [challenge_db]> SELECT * FROM profiles WHERE name="高橋清";
```

profileID	name	tell	age	birthday
5	高橋清	090-9900-1234	24	2000-12-24

1 row in set (0.02 sec)

課題2、3 入力した文章

```
SELECT profileID FROM 3 WHERE MariaDB
```

```
[challenge_db]>SELECT * FROM profiles WHERE  
profileID=3;
```

```
SELECT * FROM profiles WHERE name="高橋清";
```

課題4, 5

SELECT * FROM profiles WHERE age=24;

```
[MariaDB [challenge_db]> SELECT * FROM profiles WHERE age=24;
```

profileID	name	tell	age	birthday
3	鈴木実	080-5566-7788	24	2000-12-24
5	高橋清	090-9900-1234	24	2000-12-24

2 rows in set (0.01 sec)

SELECT * FROM profiles WHERE age >=25;

```
[MariaDB [challenge_db]> SELECT * FROM profiles WHERE age >=25;
```

profileID	name	tell	age	birthday
1	田中実	012-345-6789	30	1994-02-01
2	鈴木茂	090-1122-3344	37	1987-08-12

2 rows in set (0.00 sec)

課題6

SELECT * FROM profiles WHERE name LIKE '%実%';

```
[MariaDB [challenge_db]> SELECT * FROM profiles WHERE name LIKE '%実%';
```

profileID	name	tell	age	birthday
1	田中実	012-345-6789	30	1994-02-01
3	鈴木実	080-5566-7788	24	2000-12-24

2 rows in set (0.07 sec)

課題7, 8

SELECT * FROM profiles WHERE profileID=2;

DELETE FROM profiles WHERE birthday="2000-12-24";

```
[MariaDB [challenge_db]> SELECT * FROM profiles WHERE profileID=2;
```

profileID	name	tell	age	birthday
2	吉田茂	090-1122-3344	37	1987-08-12

1 row in set (0.02 sec)

```
[MariaDB [challenge_db]> DELETE FROM profiles WHERE birthday="2000-12-24";  
Query OK, 2 rows affected (0.10 sec)
```

```
[MariaDB [challenge_db]> SELECT * profiles;  
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your  
MariaDB server version for the right syntax to use near 'profiles' at line 1
```

```
[MariaDB [challenge_db]> SELECT * FROM profiles;
```

profileID	name	tell	age	birthday
1	田中実	012-345-6789	30	1994-02-01
2	吉田茂	090-1122-3344	37	1987-08-12
4	佐藤清	012-0987-6543	19	2005-08-01

3 rows in set (0.02 sec)

課題9 入力した文章

```
CREATE TABLE user (userID int NOT NULL PRIMARY KEY,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));
```

```
INSERT INTO department (departmentID,departmentName)VALUE(1,"開発部");  
INSERT INTO department (departmentID,departmentName)VALUE(2,"営業部");  
INSERT INTO department (departmentID,departmentName)VALUE(3,"総務部");
```

```
INSERT INTO station (stationID,stationName)VALUE(1,"九段下");  
INSERT INTO station (stationID,stationName)VALUE(2,"永田町");  
INSERT INTO station (stationID,stationName)VALUE(3,"渋谷");  
INSERT INTO station (stationID,stationName)VALUE(4,"神保町");  
INSERT INTO station (stationID,stationName)VALUE(5,"上井草");
```

課題9 入力した文章

```
INSERT INTO user(userID,name,tell,age,birthday,departmentID,stationID)VALUE(1,'田中実',  
'012-345-6789',30,'1994-02-01',3,1);
```

```
INSERT INTO user(userID,name,tell,age,birthday,departmentID,stationID)VALUE(2,'鈴木茂',  
'090-1122-3344',37,'1987-08-12',3,4);
```

```
INSERT INTO user(userID,name,tell,age,birthday,departmentID,stationID)VALUE(3,'鈴木実',  
'080-5566-7788',24,'2000-12-24',2,5);
```

```
INSERT INTO user(userID,name,tell,age,birthday,departmentID,stationID)VALUE(4,' 佐藤清',  
'90-9900-1234',24,'2000-12-24',2,5);
```

```
INSERT INTO user(userID,name,tell,age,birthday,departmentID,stationID)VALUE(5,'佐藤清',  
'090-9900-1234',24,'2000-12-24',3,5);
```

```
UPDATE user SET name="佐藤清",tell='012-0987-6543',departmentID=1,stationID=5;
```

Query OK, 5 rows affected (0.10 sec)

Rows matched: 5 Changed: 5 Warnings: 0 //やり直し

課題9 入力した文章

```
MariaDB [challenge_db]> SELECT * FROM user  
-> ;
```

userID	name	tell	age	birthday	departmentID	stationID
1	佐藤 清	012-0987-6543	30	1994-02-01	1	5
2	佐藤 清	012-0987-6543	37	1987-08-12	1	5
3	佐藤 清	012-0987-6543	24	2000-12-24	1	5
4	佐藤 清	012-0987-6543	24	2000-12-24	1	5
5	佐藤 清	012-0987-6543	24	2000-12-24	1	5

5 rows in set (0.00 sec)

```
UPDATE user SET name="田中実",tell='012-345-6789',departmentID=3,stationID=1 WHERE userID=1;
```

```
UPDATE user SET name="鈴木茂",tell='090-1122-3344',departmentID=3,station =4 WHERE userID=2;
```

```
UPDATE user SET name="鈴木実",tell='080-5566-7788',departmentID=2,station =5 WHERE userID=3;
```

```
UPDATE user SET name="高橋清",tell='090-9900-1234',departmentID=3,station =5 WHERE userID=5;
```

```
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	24	2000-12-24	1	5
5	高橋 清	090-9900-1234	24	2000-12-24	3	5

5 rows in set (0.02 sec)

課題9 結果

```
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	24	2000-12-24	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 (0.01 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)
```

SELECT * FROM user;

SELECT * FROM department;

SELECT * FROM station;

おまけ 結合

SELECT * FROM user LEFT JOIN station ON user.stationID = station.stationID;

MariaDB [challenge_db]> SELECT * FROM user LEFT JOIN station ON user.stationID = station.stationID;

userID	name	tell	age	birthday	departmentID	stationID	stationID	stationName
1	田中実	012-345-6789	30	1994-02-01	3	1	1	九段下
2	鈴木茂	090-1122-3344	37	1987-08-12	3	4	4	神保町
3	鈴木実	080-5566-7788	24	2000-12-24	2	5	5	上井草
4	佐藤清	012-0987-6543	24	2000-12-24	1	5	5	上井草
5	高橋清	090-9900-1234	24	2000-12-24	3	5	5	上井草

5 rows in set (0.02 sec)