

## テーブルの作成とinsert

```
MariaDB [Challenge_db]> CREATE TABLE profiles  
(profilesID int, name varchar(255), tell varchar(255),  
age int, birthday date);
```

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

```
MariaDB [Challenge_db]> INSERT INTO  
profiles(profilesID,name,tell,age,birthday) VALUES (2,  
'田中 茂', '090-1122-3344', 37, '1987-08-12');
```

```
MariaDB [Challenge_db]> INSERT INTO  
profiles(profilesID,name,tell,age,birthday) VALUES (3,  
'鈴木 実', '080-5566-7788', 24, '2000-12-24');
```

```
MariaDB [Challenge_db]> INSERT INTO  
profiles(profilesID,name,tell,age,birthday) VALUES (4,  
'佐藤 清', '012-0987-6543', 19, '2005-08-01');
```

```
MariaDB [Challenge_db]> INSERT INTO  
profiles(profilesID,name,tell,age,birthday) VALUES (5,  
'高橋 清', '090-9900-1234', 24, '2000-12-24');
```

```
MariaDB [Challenge_db]> SELECT profilesID,name,tell,age,birthday FROM profiles  
-> ;
```

profilesID	name	tell	age	birthday
1	田中 実	012-345-6789	30	1994-02-01
2	田中 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 (0.00 sec)
```

## 検索と表示

```
MariaDB [Challenge_db]> SELECT  
* from profiles where profilesID = 3;
```

```
MariaDB [Challenge_db]> SELECT * from profiles where profilesID = 3;  
+-----+-----+-----+-----+-----+  
| profilesID | name   | tell       | age  | birthday |  
+-----+-----+-----+-----+-----+  
|          3 | 鈴木 実 | 080-5566-7788 | 24   | 2000-12-24 |  
+-----+-----+-----+-----+-----+  
1 row in set (0.00 sec)
```

## 特定のレコードのみを検索、表示1

```
MariaDB [Challenge_db]> SELECT *  
from profiles where name = '高橋 清';
```

```
MariaDB [Challenge_db]> SELECT * from profiles where name = '高橋 清';  
+-----+-----+-----+-----+-----+  
| profilesID | name   | tell       | age  | birthday |  
+-----+-----+-----+-----+-----+  
|          5 | 高橋 清 | 090-9900-1234 | 24   | 2000-12-24 |  
+-----+-----+-----+-----+-----+  
1 row in set (0.00 sec)
```

## 特定のレコードのみを検索、表示2

```
MariaDB [Challenge_db]> SELECT  
* from profiles where age = 24;
```

```
MariaDB [Challenge_db]> SELECT * from profiles where age = 24;  
+-----+-----+-----+-----+-----+  
| profilesID | 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 (0.00 sec)
```

## 特定のレコードのみを検索、表示3

```
MariaDB [Challenge_db]> SELECT  
* from profiles where age >= 25;
```

```
MariaDB [Challenge_db]> SELECT * from profiles where age >= 25;  
+-----+-----+-----+-----+-----+  
| profilesID | name | tell | age | birthday |  
+-----+-----+-----+-----+-----+  
| 1 | 田中 実 | 012-345-6789 | 30 | 1994-02-01 |  
| 2 | 田中 茂 | 090-1122-3344 | 37 | 1987-08-12 |  
+-----+-----+-----+-----+-----+  
2 rows in set (0.00 sec)
```

## 特定のレコードのみを検索、表示4

```
MariaDB [Challenge_db]> SELECT *  
from profiles WHERE name LIKE '%実%';
```

```
MariaDB [Challenge_db]> SELECT * from profiles WHERE name LIKE '%実%';  
+-----+-----+-----+-----+-----+  
| profilesID | 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 (0.00 sec)
```

## 特定レコードの更新

```
MariaDB [Challenge_db]> UPDATE  
profiles SET name = '吉田 茂' where  
profilesID = 2;
```

```
MariaDB [Challenge_db]> SELECT  
* from profiles where profilesID = 2;
```

```
MariaDB [Challenge_db]> UPDATE profiles SET name = '吉田 茂' where profilesID = 2;  
Query OK, 1 row affected (0.00 sec)  
Rows matched: 1  Changed: 1  Warnings: 0  
  
MariaDB [Challenge_db]> SELECT * from profiles where profilesID = 2;  
+-----+-----+-----+-----+-----+  
| profilesID | name   | tell       | age  | birthday |  
+-----+-----+-----+-----+-----+  
|          2 | 吉田 茂 | 090-1122-3344 | 37   | 1987-08-12 |  
+-----+-----+-----+-----+-----+  
1 row in set (0.00 sec)
```

## 特定レコードの削除

```
MariaDB [Challenge_db]> DELETE  
FROM profiles WHERE birthday =  
'2000-12-24';
```

```
MariaDB [Challenge_db]> SELECT  
* from profiles;
```

```
MariaDB [Challenge_db]> SELECT * from profiles;  
+-----+-----+-----+-----+-----+  
| profilesID | 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 (0.00 sec)
```



## Primary KeyとForeign Keyの宣言