

データベース基礎 課題1

```
mysql> create database challenge_db;
mysql> use challenge_db;
mysql> create table profiles(profilesID int, name varchar(255), tell varchar(255), age int, birthday date);
mysql> insert into profiles(profilesID, name, tell, age, birthday) values(1,'田中 実', '012-345-6789', 30, '1994-02-01');
mysql> insert into profiles(profilesID, name, tell, age, birthday) values(2,'鈴木 茂', '090-1122-3344', 37, '1987-02-01');
mysql> insert into profiles(profilesID, name, tell, age, birthday) values(3,'鈴木 実', '080-5566-7788', 24, '2000-12-24');
mysql> insert into profiles(profilesID, name, tell, age, birthday) values(4,'佐藤 清', '012-0987-6543', 19, '2005-08-01');
mysql> insert into profiles(profilesID, name, tell, age, birthday) values(5,'高橋 清', '090-9900-1234', 24, '2000-12-024');
mysql> show create database challenge_db;
mysql> show create table profiles;
mysql> select * from profiles;
```

```
ターミナル シェル 編集 表示 ウィンドウ ヘルプ
Yuji_Nakazawa — mysql -u root -p — 181x53
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near ''challenge_db'' at line 1
[mysql> show create database challenge_db;
+-----+
| Database | Create Database |
+-----+
| challenge_db | CREATE DATABASE `challenge_db` /*!40100 DEFAULT CHARACTER SET utf8 */ |
+-----+
1 row in set (0.01 sec)

[mysql> show create table profiles;
+-----+
| Table | Create Table |
+-----+
| profiles | CREATE TABLE `profiles` (
  `profilesID` int(11) DEFAULT NULL,
  `name` varchar(255) DEFAULT NULL,
  `tell` varchar(255) DEFAULT NULL,
  `age` int(11) DEFAULT NULL,
  `birthday` date DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8 |
+-----+
1 row in set (0.00 sec)

mysql>

[mysql> select * from profiles;
+-----+
| profilesID | 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 (0.00 sec)

mysql>
```

データベース基礎 課題2:profilesIDが3のレコードのみを検索して表示

```
mysql> select profilesID, name, tell, age, birthday from profiles where profilesID = 3;
```

```
ターミナル シェル 編集 表示 ウィンドウ ヘルプ
Yuji_Nakazawa — mysql -u root -p — 181x53
[mysql> select * from profiles;
+-----+
| profilesID | 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 (0.00 sec)

[mysql> select profilesID, name, tell, age, birthday 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 (0.01 sec)

mysql>
```

データベース基礎 課題3:nameが「高橋 清」のレコードのみを検索して表示

```
mysql> select profilesID, name, tell, age, birthday from profiles where name = '高橋 清';
```

```
[mysql> select profilesID, name, tell, age, birthday 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 (0.01 sec)
```

```
mysql>
```

データベース基礎 課題4:ageが24のレコードのみを検索して表示

```
mysql> select profilesID, name, tell, age, birthday from profiles where age = 24;
```

```
[mysql> select profilesID, name, tell, age, birthday, from profiles where age = 24;  
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'select profilesID, name, tell, age, birthday, from profiles where age = 24' at line 1  
[mysql> select profilesID, name, tell, age, birthday, from profiles where age = 24;  
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'from profiles where age = 24' at line 1  
[mysql> select profilesID, name, tell, age, birthday 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)
```

```
mysql>
```

データベース基礎 課題5:ageが25以上のレコードのみを検索して表示

```
mysql> select profilesID, name, tell, age, birthday from profiles where age >= 25;
```

```
[mysql> select profilesID, name, tell, age, birthday from profiles where age >= 25;  
+-----+-----+-----+-----+-----+  
| profilesID | 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)
```

```
mysql>
```

```
mysql>
```

データベース基礎 課題6:nameに「実」が含まれているレコードを表示

```
mysql> select profilesID, name, tell, age, birthday from profiles where name like '%実%';
```

```
[mysql> select profilesID, name, tell, age, birthday 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)
```

```
mysql>
```

データベース基礎 課題7:profilesIDが2のnameを「吉田 茂」に更新する。この 1件を SELECTして表示する。

```
mysql> update profiles set name='吉田 茂' where profilesID=2;
mysql> select profilesID, name, tell, age , birthday from profiles where profilesID = 2;
```

```
[mysql> update set name='吉田 茂' where profilesID=2;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'set name='吉田 茂' where p
profilesID=2' at line 1
mysql> 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

mysql> select profilesID, name, tell, age , birthday 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)

mysql>
```

データベース基礎 課題8:birthdayが2000-12-24のレコードを削除する。SELECT*で表示する

```
mysql> delete from profiles where birthday = '2000-12-24';
mysql> select * from profiles;
```

```

Apple プレビュー ファイル 編集 表示 移動 ツール ウィンドウ ヘルプ
Yuji Nakazawa — mysql -u root -p — 181x53

[mysql> delete from profiles where birthday = '2000-12-24';
Query OK, 2 rows affected (0.01 sec)

mysql> 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)

mysql>
mysql>
```