mysql -u Yudai -p

```
Server version: 10.1.16-MariaDB mariadb.org binary distribution

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> use Challenge_db;
Database changed
MariaDB [Challenge_db]> create table profiles(profilesID int,name varchar(255),t
ell varchar(255),age int,birthday date);
Query OK, 0 rows affected (0.02 sec)

MariaDB [Challenge_db]> insert into profiles value
    -> (1,'田中 実','012-345-6789',30,'1994-02-01');
Query OK, 1 row affected (0.02 sec)

MariaDB [Challenge_db]> insert into profiles value(2,'鈴木 茂','090-1122-3344',3
7,'1987-08-12');
Query OK, 1 row affected (0.00 sec)

MariaDB [Challenge_db]> insert into profiles value(3,'鈴木 実','080-5566-7788',2
4,'2000-12-24');
Query OK, 1 row affected (0.00 sec)

MariaDB [Challenge_db]> insert into profiles value(4,'佐藤 清','012-0987-6543',1
9,'2005-08-01');
Query OK, 1 row affected (0.00 sec)

MariaDB [Challenge_db]> insert into profiles value(5,'高橋 清','090-9900-1234',2
4,'2000-12-24');
Query OK, 1 row affected (0.00 sec)

MariaDB [Challenge_db]> 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 (0.02 sec)

MariaDB [Challenge_db]>
```

databaseKadai1.txt - メモ帳

ファイル(F)　編集(E)　書式(O)　表示(V)　ヘルプ(H)

```
insert into profiles value(1,'田中 実','012-345-6789',30,'1994-02-01');
insert into profiles value(2,'鈴木 茂','090-1122-3344',37,'1987-08-12');
insert into profiles value(3,'鈴木 実','080-5566-7788',24,'2000-12-24');
insert into profiles value(4,'佐藤 清','012-0987-6543',19,'2005-08-01');
insert into profiles value(5,'高橋 清','090-9900-1234',24,'2000-12-24');
select * from profiles;
```

課題1

課題2

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 (0.01 sec)

MariaDB [Challenge_db]>
```

課題３

select * from profiles where
name='高橋 清';

課題4

select * from profiles where age=24;

課題5

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 | 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%';

課題7

update profiles set name='吉田 茂' where profilesID=2;

select * from profiles where profilesID=2;

```
MariaDB [Challenge_db]> update profiles set name='吉田 茂' where profilesID=2;
Query OK, 1 row affected (0.01 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)

MariaDB [Challenge_db]>
```

課題8

delete from profiles where
birthday='2000-12-24';

select * from profiles;

```
MariaDB [Challenge_db]> delete from profiles where
    -> birthday='2000-12-24';
Query OK, 2 rows affected (0.00 sec)

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)
```

課題9 userテーブルの作成

create table user(userID int not null primary key,name varchar(255),tell varchar(255),age int,birthday date,departmentID int,stationID int) engine=InnoDB;

insert into user values(1,'田中 実','012-345-6789',30,'1994-02-01',3,1);

insert into user values(2,'鈴木 茂','090-1122-3344',37,'1987-08-12',3,4);

insert into user values(3,'鈴木 実','080-5566-7788',24,'2000-12-24',2,5);

insert into user values(4,'佐藤 清','012-0987-6543',19,'2005-08-01',1,5);

insert into user values(5,'高橋 清','090-9900-1234',24,'2000-12-24',3,5);

課題９ departmentテーブルの作成

create table department(departmentID int not null
primary key,departmentName varchar(255));

insert into department values(1,'開発部');

insert into department values(2,'営業部');

insert into department values(3,'総務部');

select * from department;

```
MariaDB [Challenge_db]> create table department(departmentID int not null primar
y key,departmentName varchar(255));
Query OK, 0 rows affected (0.01 sec)

MariaDB [Challenge_db]> insert into department values(1,'開発部');
Query OK, 1 row affected (0.01 sec)

MariaDB [Challenge_db]> insert into department values(2,'営業部');
Query OK, 1 row affected (0.00 sec)

MariaDB [Challenge_db]> insert into department values(3,'総務部');
Query OK, 1 row affected (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)
```

課題9 stationテーブルの作成

create table station(stationID int not null primary key,stationName varchar(255));

insert into station values(1,'九段下');

insert into station values(2,'永田町');

insert into station values(3,'渋谷');

insert into station values(4,'神保町');

insert into station values(5,'上井草');

select * from station;

```
MariaDB [Challenge_db]> create table station(stationID int not null primary key,
stationName varchar(255));
Query OK, 0 rows affected (0.01 sec)

MariaDB [Challenge_db]> insert into station values(1,'九段下');
Query OK, 1 row affected (0.00 sec)

MariaDB [Challenge_db]> insert into station values(2,'永田町');
Query OK, 1 row affected (0.00 sec)

MariaDB [Challenge_db]> insert into station values(3,'渋谷');
Query OK, 1 row affected (0.00 sec)

MariaDB [Challenge_db]> insert into station values(4,'神保町');
Query OK, 1 row affected (0.00 sec)

MariaDB [Challenge_db]> insert into station values(5,'上井草');
Query OK, 1 row affected (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 | 上井草      |
+-----------+-------------+
5 rows in set (0.00 sec)
```

課題9 FOREIGN KEYの追加

alter table user add foreign key(stationID) references station (stationID);

alter table user add foreign key(stationID) references station (stationID);

```
MariaDB [Challenge_db]> alter table user add foreign key (stationID) references
station (stationID);
Query OK, 5 rows affected (0.04 sec)
Records: 5  Duplicates: 0  Warnings: 0

MariaDB [Challenge_db]> alter table user add foreign key (departmentID) referenc
es department (departmentID);
Query OK, 5 rows affected (0.05 sec)
Records: 5  Duplicates: 0  Warnings: 0
```