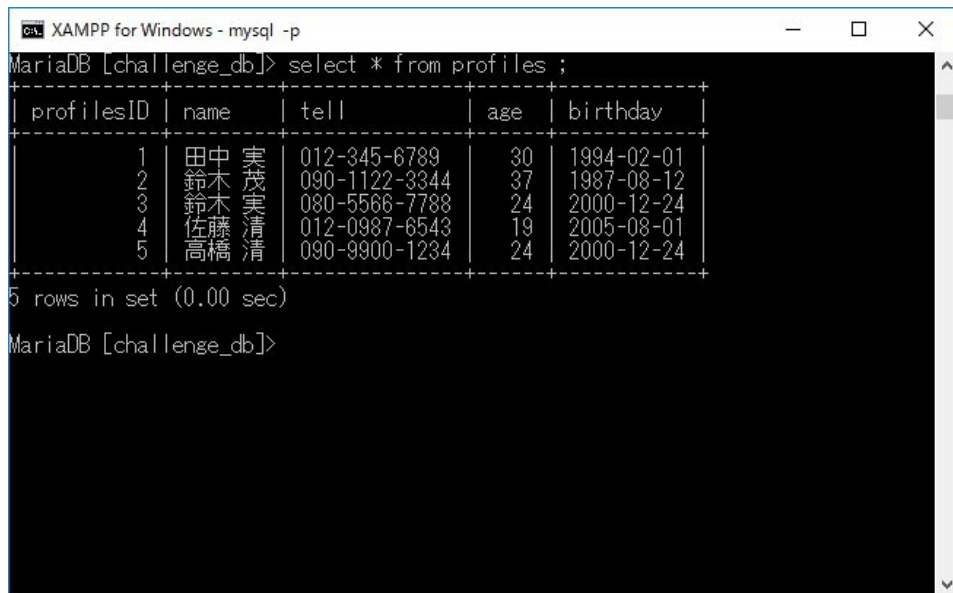


データベース基礎

課題まとめ

課題1

```
INSERT INTO profiles VALUES("01","田中 実","012-345-6789",30,"1994-02-01");  
INSERT INTO profiles VALUES("02","鈴木 茂","090-1122-3344",37,"1987-08-12");  
INSERT INTO profiles VALUES("03","鈴木 実","080-5566-7788",24,"2000-12-24");  
INSERT INTO profiles VALUES("04","佐藤 清","012-0987-6543",19,"2005-08-01");  
INSERT INTO profiles VALUES("05","高橋 清","090-9900-1234",24,"2000-12-24");
```



XAMPP for Windows - mysql -p

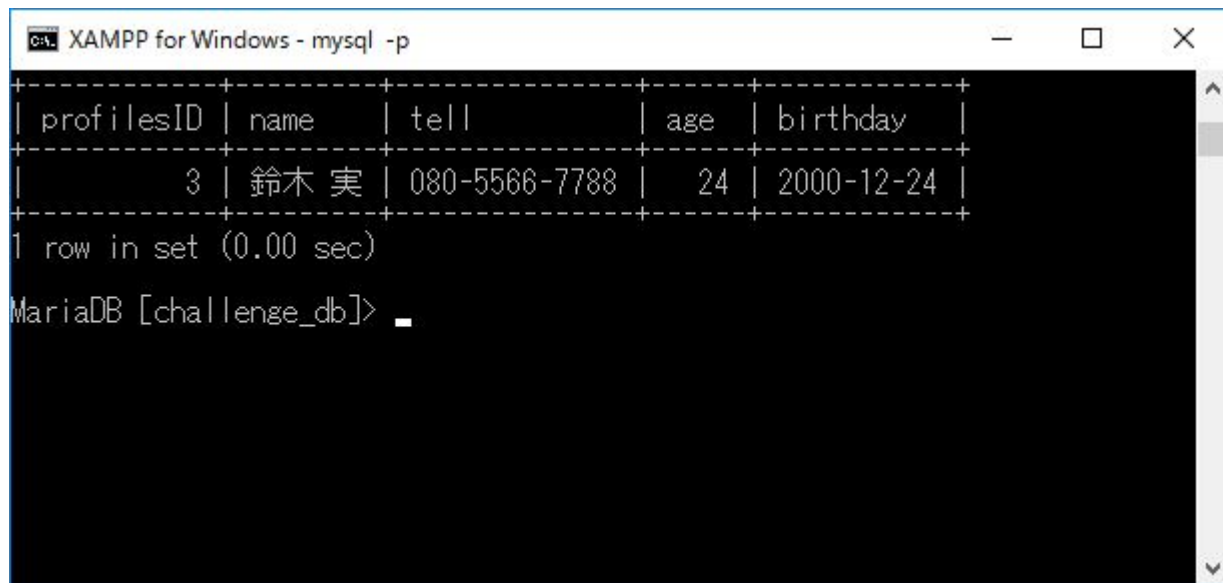
```
MariaDB [challenge_db]> select * from profiles ;
```

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 (0.00 sec)  
  
MariaDB [challenge_db]>
```

課題2

select * from profiles WHERE profilesID = 3;



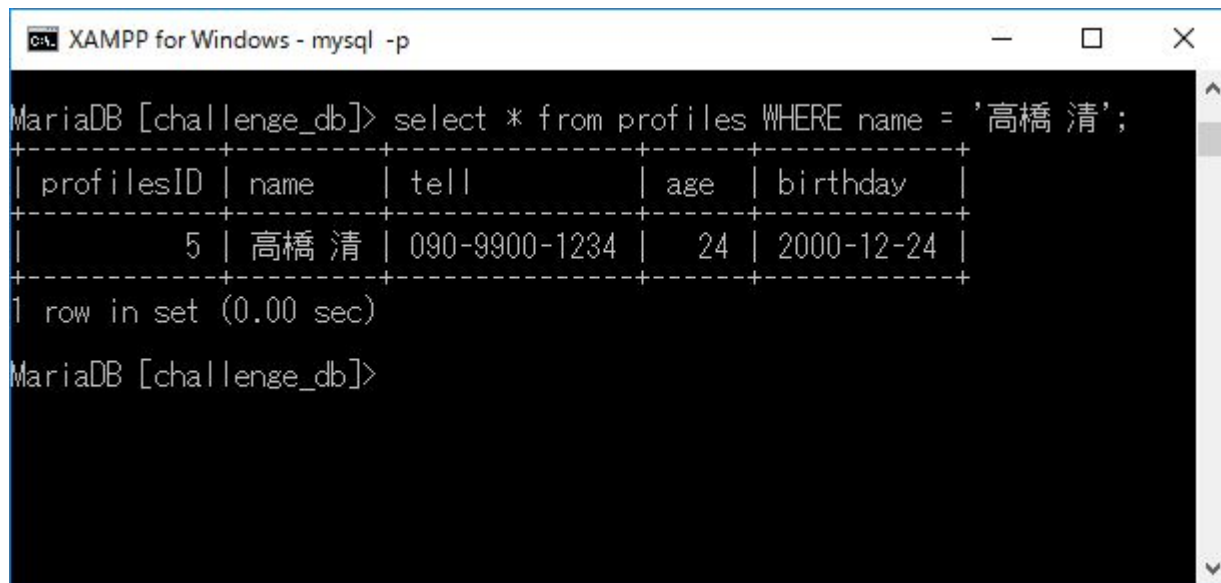
The screenshot shows a terminal window titled "XAMPP for Windows - mysql -p". It displays the output of a SQL query. The output is a table with 5 columns: profilesID, name, tell, age, and birthday. The table contains one row with the following values: 3, 鈴木 実, 080-5566-7788, 24, and 2000-12-24. Below the table, it says "1 row in set (0.00 sec)". The prompt "MariaDB [challenge_db]> _" is visible at the bottom.

```
+-----+-----+-----+-----+-----+
| profilesID | name   | tell       | age | birthday |
+-----+-----+-----+-----+-----+
|          3 | 鈴木 実 | 080-5566-7788 | 24  | 2000-12-24 |
+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

MariaDB [challenge_db]> _
```

課題3

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



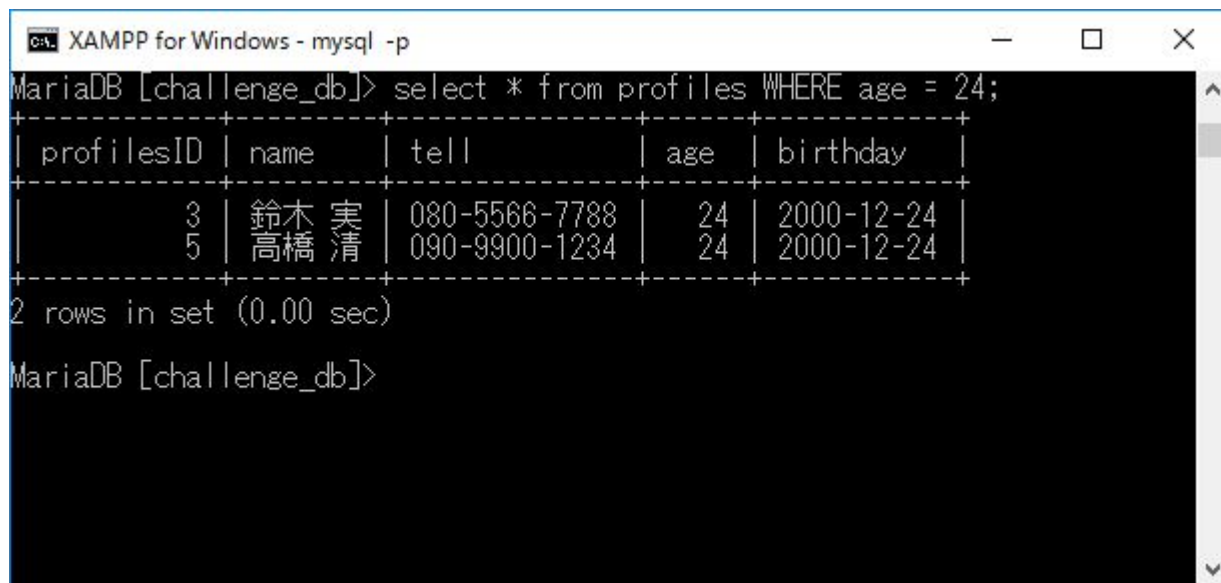
The screenshot shows a terminal window titled "XAMPP for Windows - mysql -p". The prompt is "MariaDB [challenge_db]>". The user has entered the SQL query "select * from profiles WHERE name = '高橋 清';". The output is a table with 5 columns: profilesID, name, tell, age, and birthday. The table contains one row with the following values: 5, 高橋 清, 090-9900-1234, 24, and 2000-12-24. Below the table, it says "1 row in set (0.00 sec)". The prompt "MariaDB [challenge_db]>" is shown again at the bottom.

```
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)

MariaDB [challenge_db]>
```

課題4

select * from profiles WHERE age = 24;



The screenshot shows a terminal window titled "XAMPP for Windows - mysql -p". The prompt is "MariaDB [challenge_db]>". The user has entered the query "select * from profiles WHERE age = 24;". The output is a table with 5 columns: profilesID, name, tell, age, and birthday. There are 2 rows of data. The first row has profilesID 3, name 鈴木 実, tell 080-5566-7788, age 24, and birthday 2000-12-24. The second row has profilesID 5, name 高橋 清, tell 090-9900-1234, age 24, and birthday 2000-12-24. Below the table, it says "2 rows in set (0.00 sec)". The prompt is now "MariaDB [challenge_db]>".

```
MariaDB [challenge_db]> select * from profiles WHERE age = 24;
```

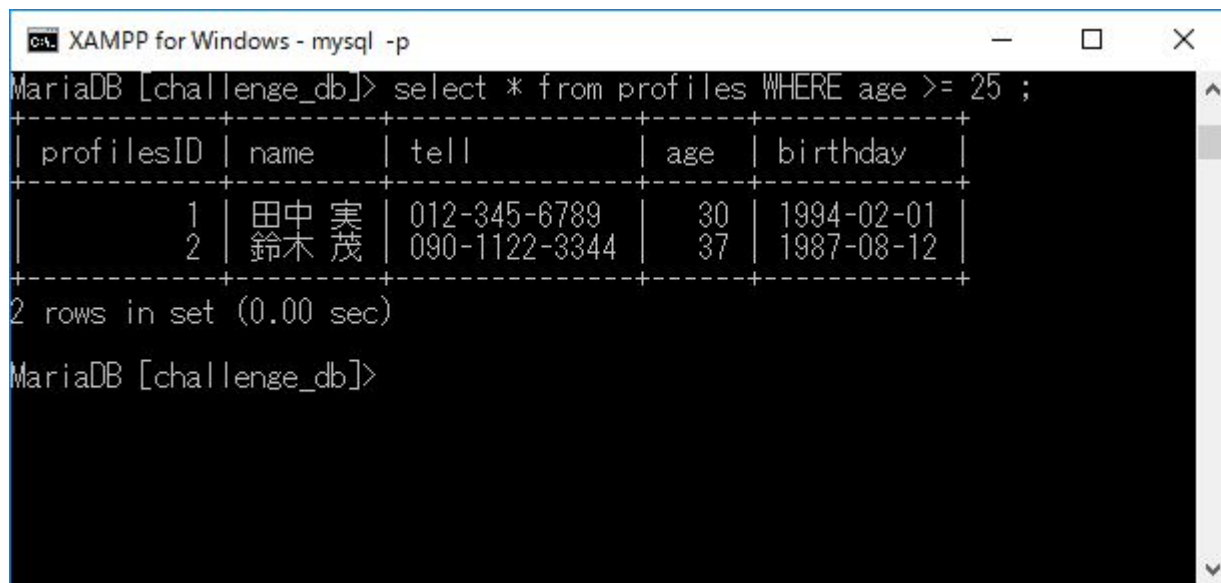
profilesID	name	tell	age	birthday
3	鈴木 実	080-5566-7788	24	2000-12-24
5	高橋 清	090-9900-1234	24	2000-12-24

```
2 rows in set (0.00 sec)

MariaDB [challenge_db]>
```

課題5

select * from profiles WHERE age >= 25 ;



The screenshot shows a terminal window titled "XAMPP for Windows - mysql -p". The prompt is "MariaDB [challenge_db]>". The user has entered the query "select * from profiles WHERE age >= 25 ;". The output is a table with 5 columns: profilesID, name, tell, age, and birthday. There are 2 rows of data. Below the table, it says "2 rows in set (0.00 sec)". The prompt "MariaDB [challenge_db]>" is shown again.

```
MariaDB [challenge_db]> select * from profiles WHERE age >= 25 ;
```

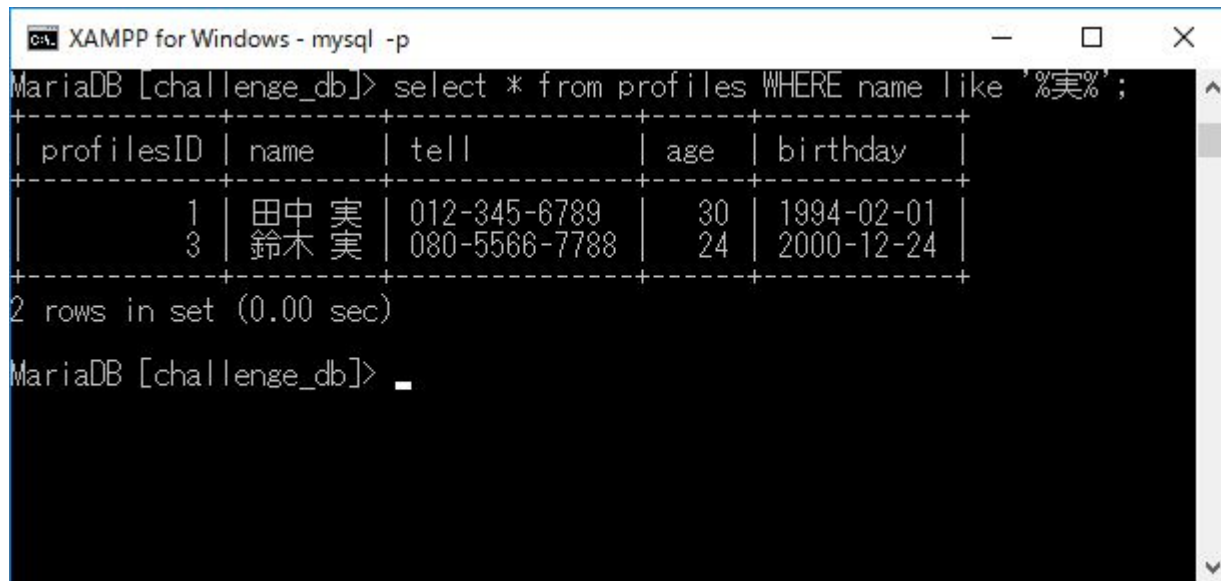
profilesID	name	tell	age	birthday
1	田中 実	012-345-6789	30	1994-02-01
2	鈴木 茂	090-1122-3344	37	1987-08-12

```
2 rows in set (0.00 sec)
```

```
MariaDB [challenge_db]>
```

課題6

select * from profiles WHERE name like '%実%';



The screenshot shows a terminal window titled "XAMPP for Windows - mysql -p". The prompt is "MariaDB [challenge_db]>". The user has entered the query "select * from profiles WHERE name like '%実%';". The result is displayed as a table with 5 columns: profilesID, name, tell, age, and birthday. There are 2 rows of data. Below the table, it says "2 rows in set (0.00 sec)". The prompt is now "MariaDB [challenge_db]> _".

```
MariaDB [challenge_db]> select * from profiles WHERE name like '%実%';
```

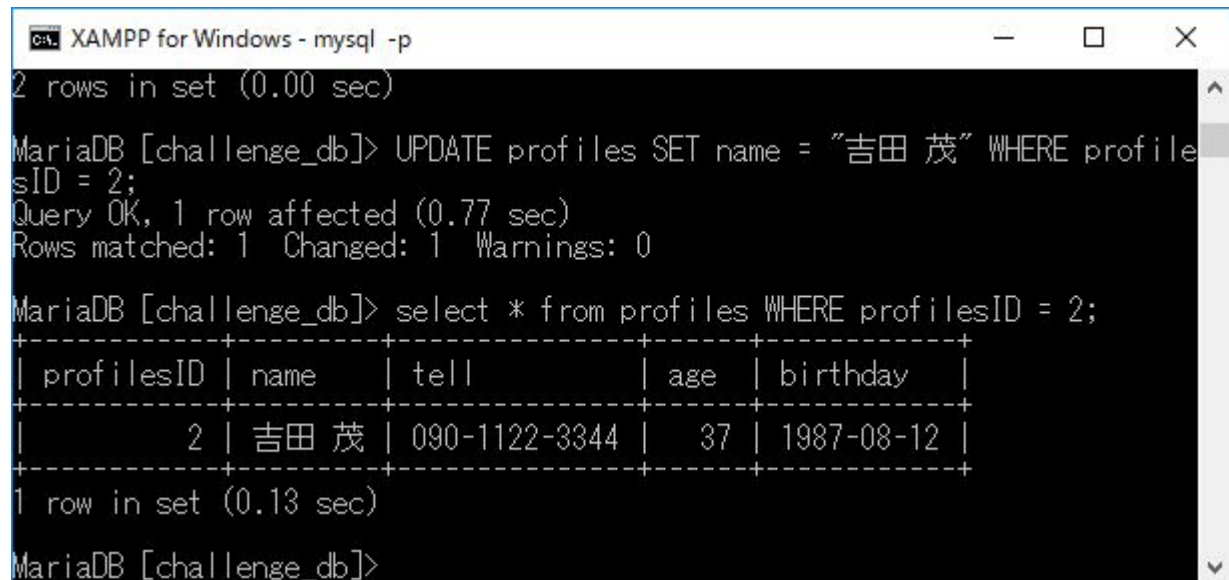
profilesID	name	tell	age	birthday
1	田中 実	012-345-6789	30	1994-02-01
3	鈴木 実	080-5566-7788	24	2000-12-24

```
2 rows in set (0.00 sec)
```

```
MariaDB [challenge_db]> _
```

課題7

UPDATE profiles SET name = "吉田 茂" WHERE profilesID = 2;



```
XAMPP for Windows - mysql -p
2 rows in set (0.00 sec)

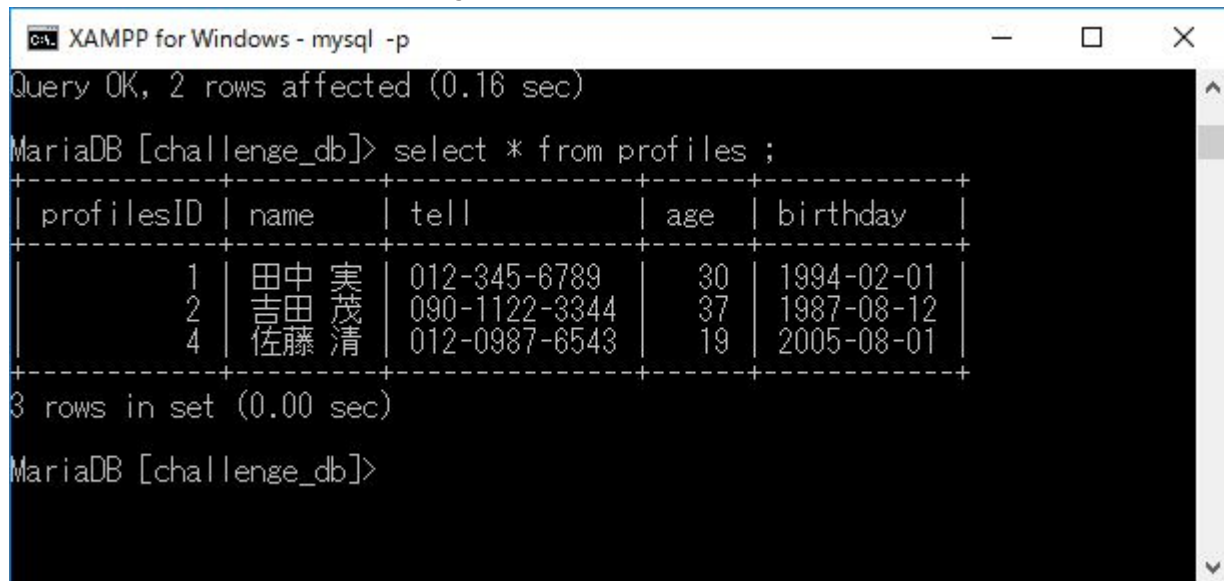
MariaDB [challenge_db]> UPDATE profiles SET name = "吉田 茂" WHERE profilesID = 2;
Query OK, 1 row affected (0.77 sec)
Rows matched: 1  Changed: 1  Warnings: 0

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 (0.13 sec)

MariaDB [challenge_db]>
```


課題8

MariaDB [challenge_db]> DELETE FROM profiles
WHERE birthday ="2000-12-24";



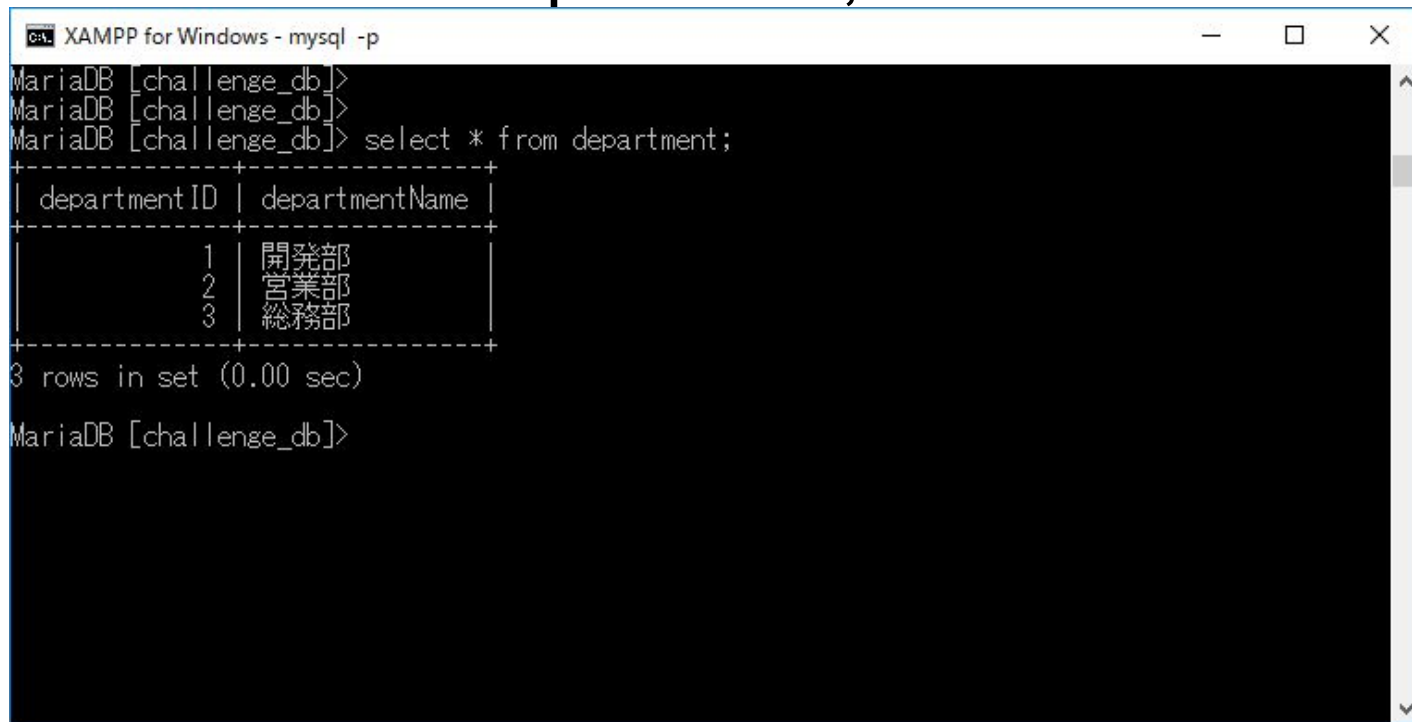
```
c:\XAMPP for Windows - mysql -p
Query OK, 2 rows affected (0.16 sec)

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)

MariaDB [challenge_db]>
```

課題9 その1

select * from department;

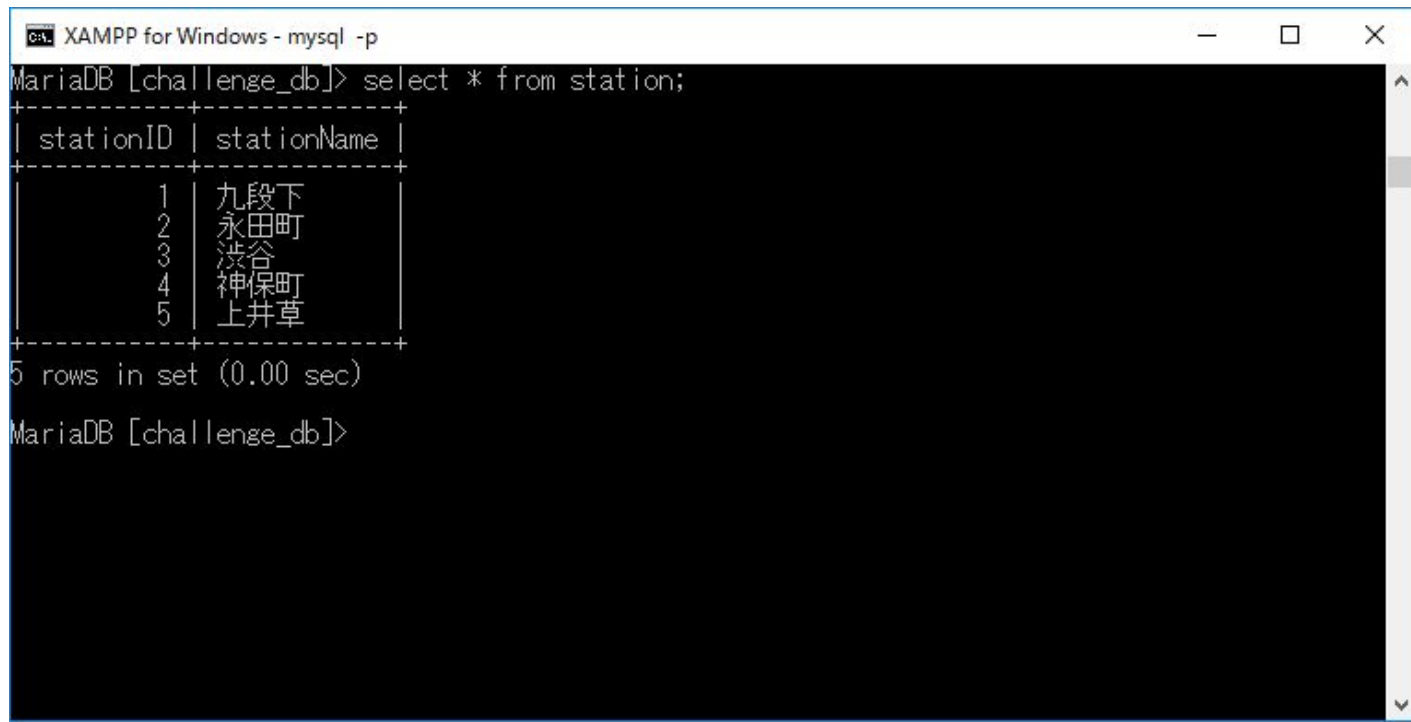
A screenshot of a Windows command prompt window titled "XAMPP for Windows - mysql -p". The prompt shows a user at the "MariaDB [challenge_db]" shell. The user enters the command "select * from department;". The output displays a table with two columns: "departmentID" and "departmentName". There are three rows of data: (1, 開発部), (2, 営業部), and (3, 総務部). Below the table, it says "3 rows in set (0.00 sec)". The prompt then returns to "MariaDB [challenge_db]>".

```
XAMPP for Windows - mysql -p
MariaDB [challenge_db]>
MariaDB [challenge_db]>
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)

MariaDB [challenge_db]>
```

課題9 その2

select * from station;



The screenshot shows a Windows command prompt window titled "XAMPP for Windows - mysql -p". The prompt is "MariaDB [challenge_db]>". The user has entered the command "select * from station;". The output is a table with two columns: "stationID" and "stationName". The table contains five rows of data. Below the table, it says "5 rows in set (0.00 sec)". The prompt "MariaDB [challenge_db]>" is shown again at the bottom.

```
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)

MariaDB [challenge_db]>
```

課題9 その3

select * from user;

```
C:\> 選択XAMPP for Windows - mysql -p
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	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]>
```

課題9 その4

テーブルの作成

```
create table user(userID int 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) );
```

```
create table department(departmentID int primary key, departmentName varchar(255));
```

```
create table station(stationID int primary key, stationName varchar(255));
```