

データベース課題

1)

```
XAMPP for Windows - mysql -u shindo -p

MariaDB [(none)]> use challenge_db;
Database changed
MariaDB [challenge_db]> select * from profiles;
Empty set (0.00 sec)

MariaDB [challenge_db]> alter table profiles add tell varchar(255) after name;
Query OK, 0 rows affected (0.23 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [challenge_db]> show columns from profiles;
+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| profilesID | int(11)    | YES  |     | NULL    |       |
| name       | varchar(225) | YES  |     | NULL    |       |
| tell       | varchar(255) | YES  |     | NULL    |       |
| age       | int(11)    | YES  |     | NULL    |       |
| birthday  | date       | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.05 sec)

MariaDB [challenge_db]> insert into profiles(profilesID, name, tell, age, birthday)
-> values(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');
Query OK, 5 rows affected (0.02 sec)
Records: 5 Duplicates: 0 Warnings: 0

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]>
```

・テーブルの作成

```
create table profiles(profilesID int, name varchar(255), tell varchar(255), age int, birthday date);
```

・INSERT文

```
insert into profiles(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 茂', '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');
```

2)

The screenshot shows a Windows desktop environment. In the center, a terminal window titled "XAMPP for Windows - mysql -u shindo -p" is open, displaying the following SQL commands and results:

```

MariaDB [challenge_db]> insert into profiles(profilesID, name, tell, age, birthday)
-> values(1, '田中 実', '012-345-6789', 30, '1994-02-01'), (2, '鈴木 茂', '09
-> (3, '鈴木 実', '080-5566-7788', 24, '2000-12-24'), (4, '佐藤 清', '012-098
-> (5, '高橋 清', '090-9900-1234', 24, '2000-12-24');
Query OK, 5 rows affected (0.02 sec)
Records: 5  Duplicates: 0  Warnings: 0

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]> show columns from profiles;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| profilesID | int(11)       | YES  |     | NULL    |       |
| name       | varchar(225)  | YES  |     | NULL    |       |
| tell       | varchar(255)  | YES  |     | NULL    |       |
| age        | int(11)       | YES  |     | NULL    |       |
| birthday   | date          | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.03 sec)

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 (0.02 sec)

MariaDB [challenge_db]>

```

The desktop background features a blue abstract design with various icons for applications like Autodesk 360, TeXworks, bcpad, Autodesk Design Review 2013, WinShell, jcpad.exe, DWG TrueView 2014, Oracle VM VirtualBox, NetBeans IDE 8.1, Adobe Reader XI, ClsM3.exe, GEEK CAMP37日目.txt, Code Composer Studio 5.4.0, Cygwin Terminal, MATLAB, Autodesk Inventor, Tera Term, and Robocode. The taskbar at the bottom shows the Start button, Internet Explorer, File Explorer, and several other application icons. The system clock in the bottom right corner indicates the time is 16:04 on 2016/11/04.

▪SELECT文

```
select * from profiles where profilesID = 3;
```


3)

The screenshot shows a Windows desktop environment. In the center, a terminal window titled "XAMPP for Windows - mysql -u shindo -p" is open, displaying SQL queries and their results. The desktop background is a blue abstract design with various application icons. The taskbar at the bottom shows the Start button and several open applications including Internet Explorer, File Explorer, and various development tools.

Terminal Output:

```

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]> show columns from profiles;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| profilesID | int(11)       | YES  |     | NULL    |       |
| name       | varchar(225)  | YES  |     | NULL    |       |
| tell       | varchar(255)  | YES  |     | NULL    |       |
| age        | int(11)       | YES  |     | NULL    |       |
| birthday   | date          | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.03 sec)

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 (0.02 sec)

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]>

```

Desktop Icons: ごみ箱, scad3 - ショートカット, processing.exe - ショートカット, Autodesk 360, TeXworks, bcpad - ショートカット, Autodesk Design Review 2013, WinShell, jcpad.exe - ショートカット, DWG TrueView 2014 - 日本..., Oracle VM VirtualBox, NetBeans IDE 8.1, Adobe Reader XI, ClsM3.exe - ショートカット, GEEK CAMP37日 目.txt, Code Composer Studio 5.4.0, Cygwin Terminal, MATLAB, Autodesk Inventor ..., Tera Term, Robocode.

Taskbar: Start button, Internet Explorer, File Explorer, and various development tools.

System Tray: Date and time: 16:09 2016/11/04.

▪SELECT文

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


4)

The screenshot shows a Windows desktop environment. A terminal window titled "XAMPP for Windows - mysql -u shindo -p" is open, displaying the following SQL queries and results:

```
MariaDB [challenge_db]> show columns from profiles;
```

Field	Type	Null	Key	Default	Extra
profilesID	int(11)	YES		NULL	
name	varchar(225)	YES		NULL	
tell	varchar(255)	YES		NULL	
age	int(11)	YES		NULL	
birthday	date	YES		NULL	

```
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

```
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

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

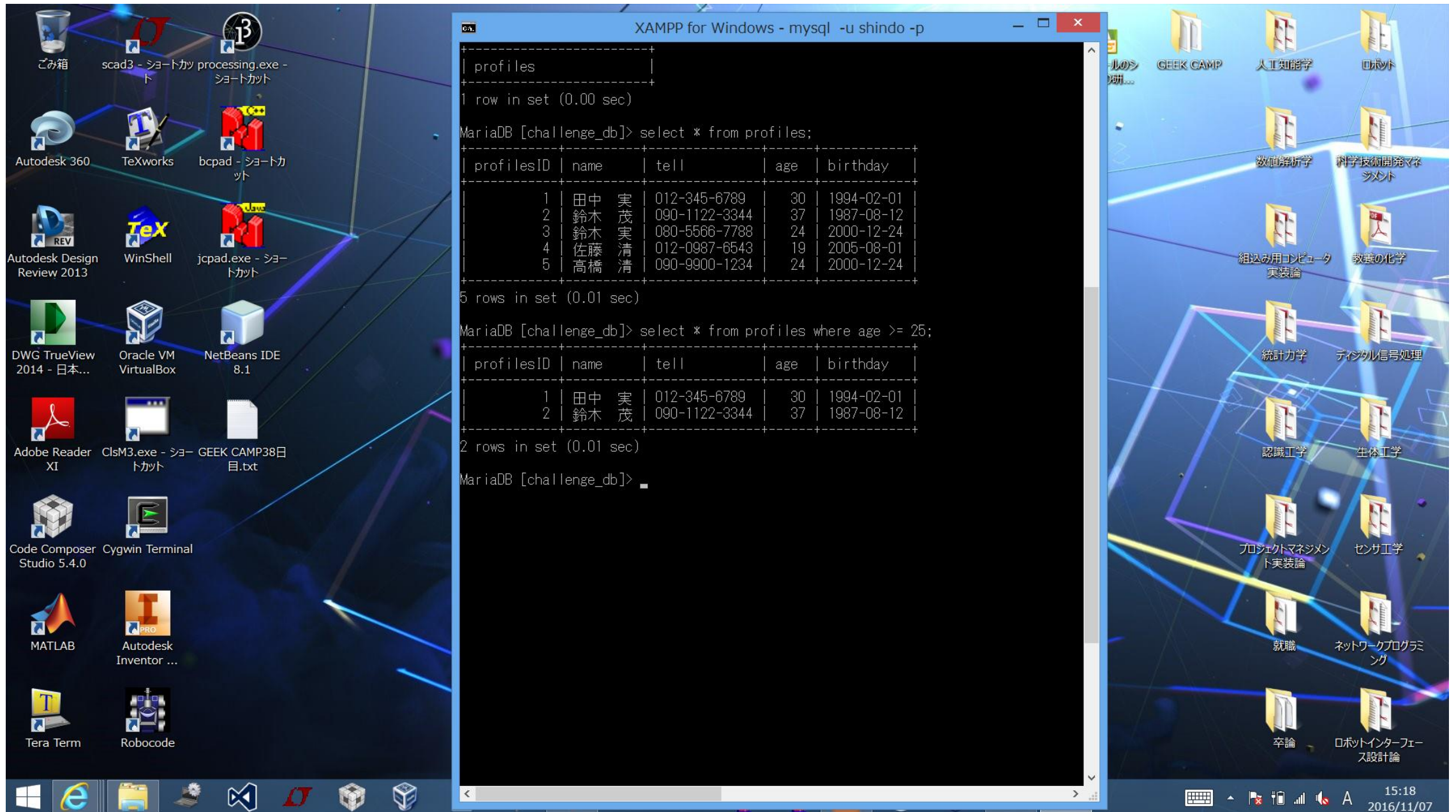
profilesID	name	tell	age	birthday
3	鈴木 実	080-5566-7788	24	2000-12-24
5	高橋 清	090-9900-1234	24	2000-12-24

The desktop background is a blue abstract design with various application icons. The taskbar at the bottom shows the Start button, Internet Explorer, File Explorer, and several other applications. The system clock in the bottom right corner indicates the time is 16:12 on 2016/11/04.

▪SELECT文

```
select * from profiles where age = 24;
```


5)



The screenshot shows a Windows desktop environment. In the center, a terminal window titled "XAMPP for Windows - mysql -u shindo -p" is open, displaying the following SQL queries and results:

```
profiles
1 row in set (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 (0.01 sec)

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 (0.01 sec)

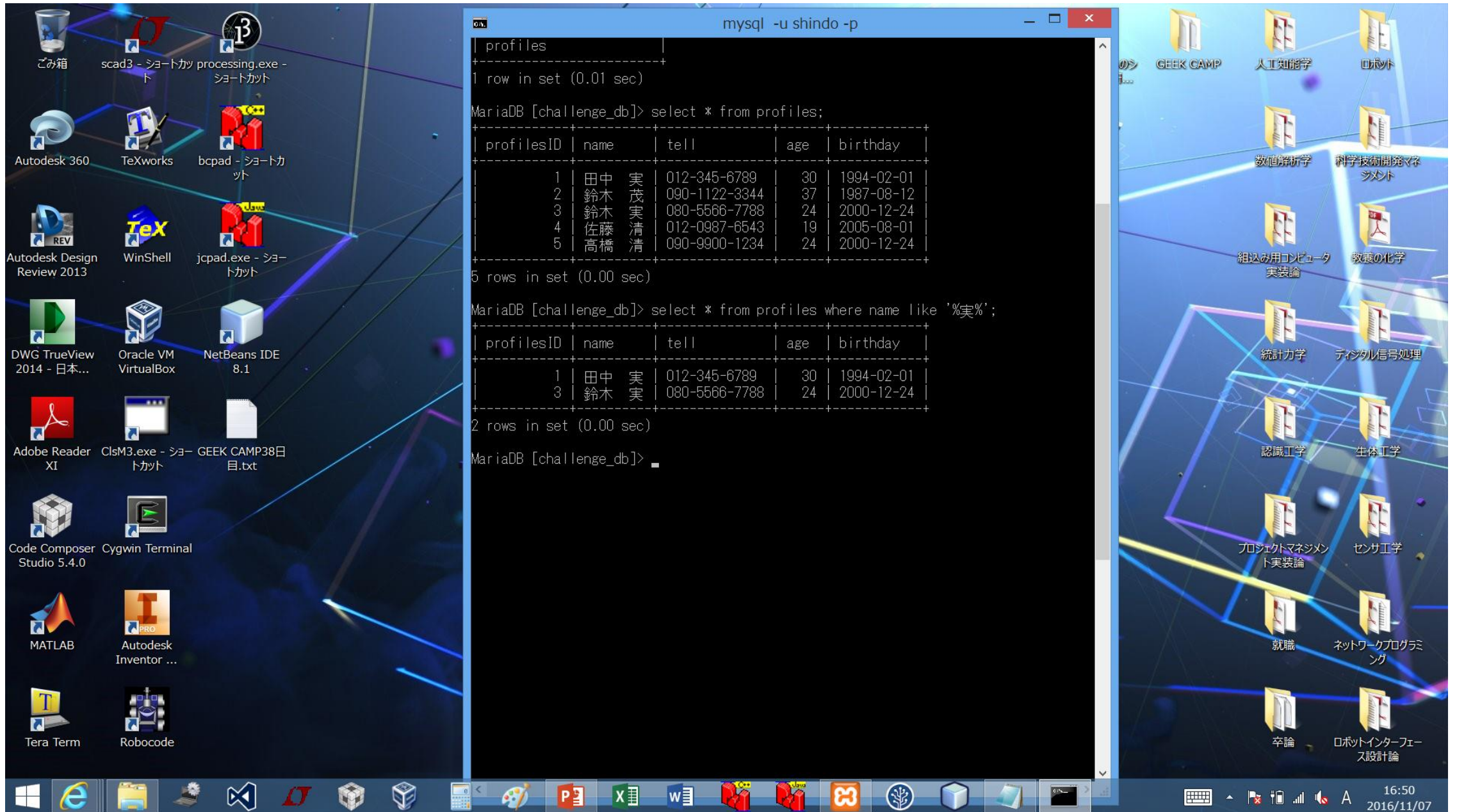
MariaDB [challenge_db]>
```

The desktop background is a blue abstract design. The taskbar at the bottom shows icons for Windows, Internet Explorer, File Explorer, and several other applications. The desktop contains various icons, including folders like "GEEK CAMP", "人工知能学", "ロボット", "数値解析学", "科学技術開発マシメント", "組み込み用コンピュータ実装論", "教養の化学", "統計力学", "デジタル信号処理", "認識工学", "生体工学", "プロジェクトマネジメント実装論", "センサ工学", "就職", "ネットワークプログラミング", "卒論", and "ロボットインターフェース設計論".

▪SELECT文

```
select * from profiles where age >= 25;
```

6)



The screenshot shows a Windows desktop environment. In the center, a MySQL terminal window titled 'mysql -u shindo -p' is open. It displays the following SQL queries and results:

```
mysql -u shindo -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]> 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)

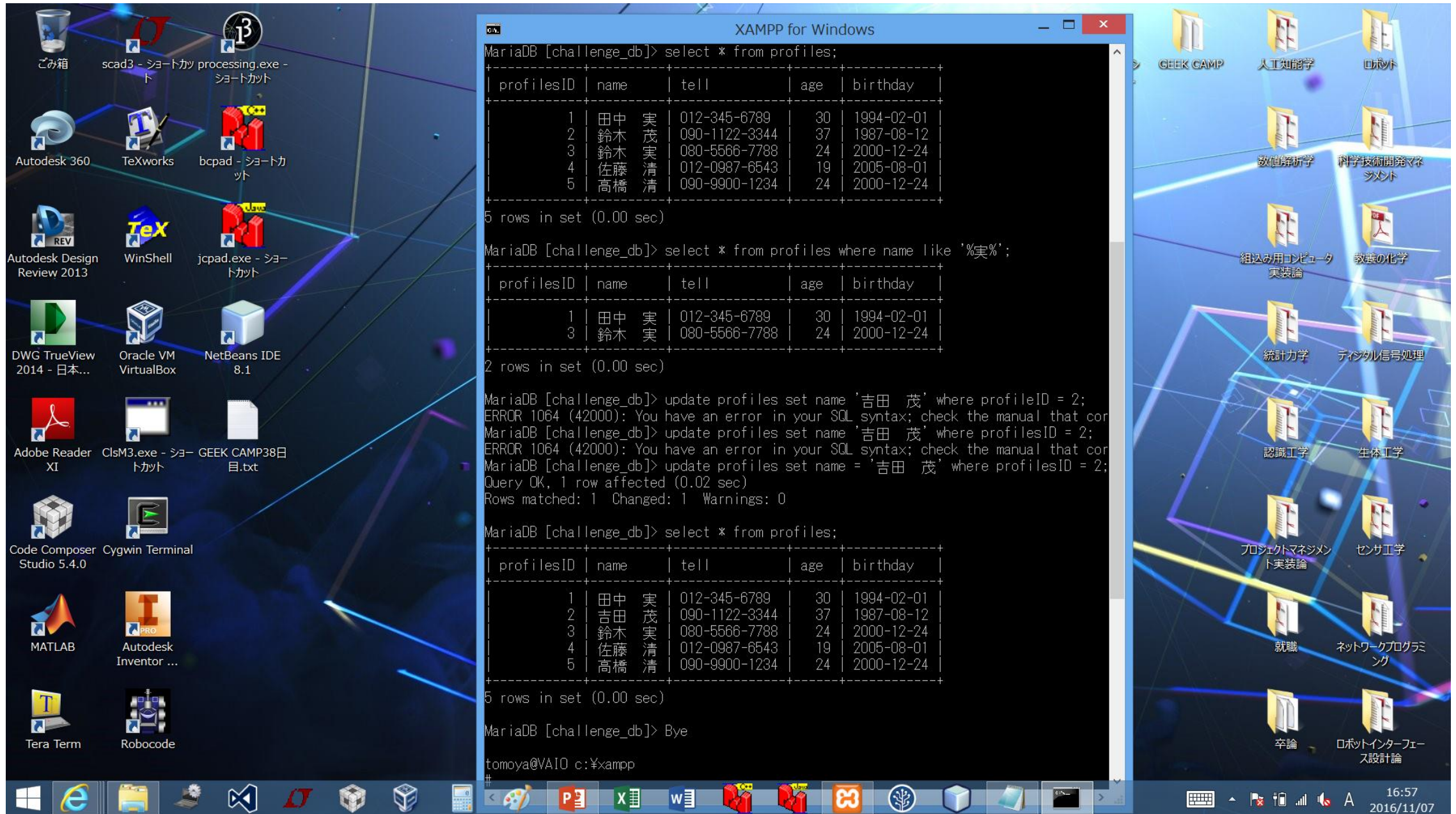
MariaDB [challenge_db]>
```

The desktop background features a blue abstract design with various application icons. The taskbar at the bottom includes icons for Windows, Internet Explorer, File Explorer, and several other applications. The system clock in the bottom right corner shows the time as 16:50 on 2016/11/07.

▪SELECT文

```
select * from profiles where name like '%実%';
```


7)



The screenshot shows a Windows desktop environment. In the center, a terminal window titled "XAMPP for Windows" is open, displaying a MariaDB database session. The session includes several SQL queries and their results. The desktop background is a blue abstract design. The taskbar at the bottom shows various application icons, including Windows Explorer, Internet Explorer, and several development tools like MATLAB, Autodesk Inventor, and Robocode. The system clock in the bottom right corner indicates the date is 2016/11/07 and the time is 16:57.

XAMPP for Windows

```
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]> 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]> update profiles set name '吉田 茂' where profileID = 2;
```

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that cor

```
MariaDB [challenge_db]> update profiles set name '吉田 茂' where profilesID = 2;
```

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that cor

```
MariaDB [challenge_db]> update profiles set name = '吉田 茂' where profilesID = 2;
```

Query OK, 1 row affected (0.02 sec)
Rows matched: 1 Changed: 1 Warnings: 0

```
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
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]> Bye
```

tomoya@VAIO c:\xampp
#

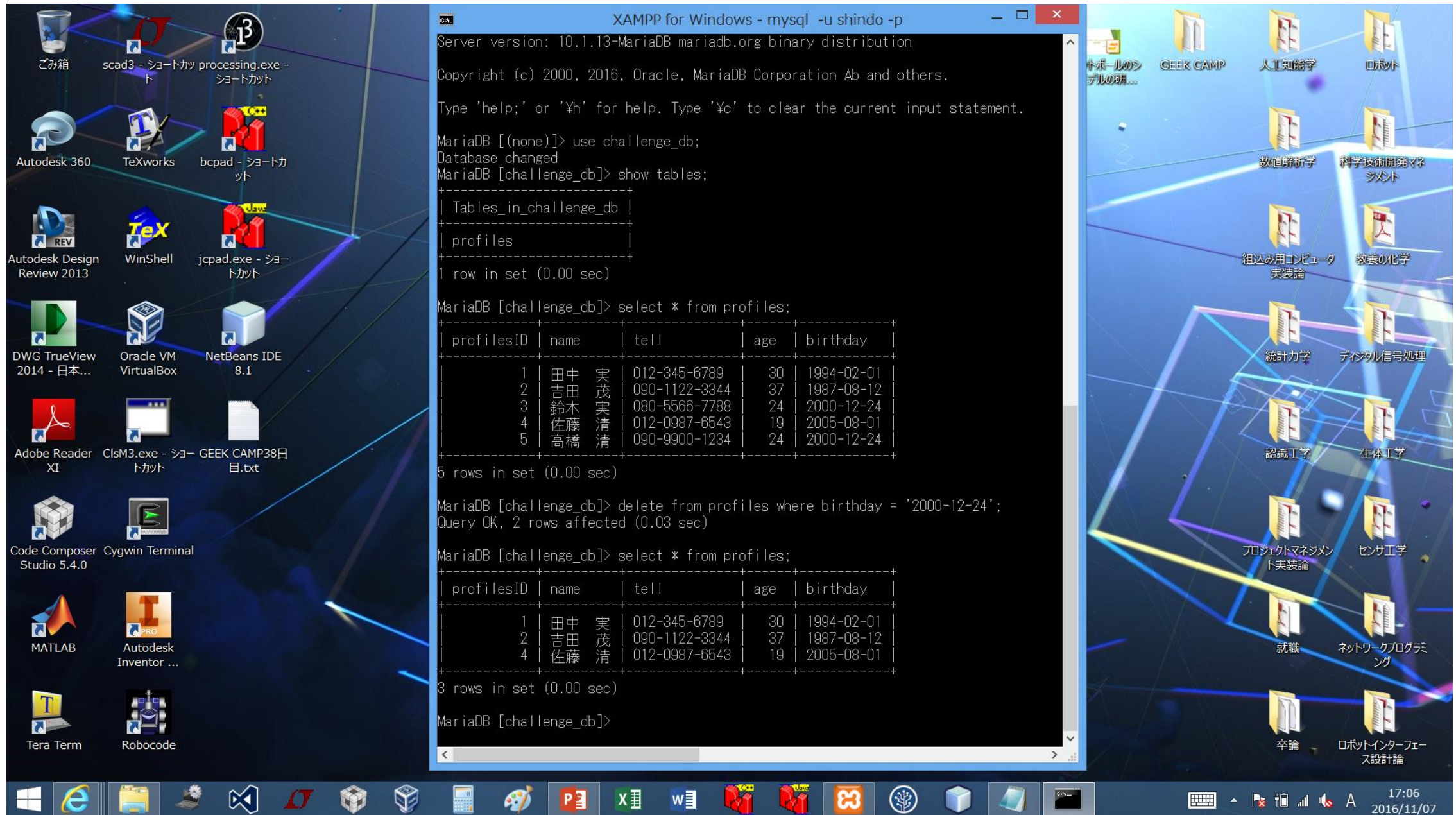
- SELECT文

```
select * from profiles;
```

- UPDATE文

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


8)



XAMPP for Windows - mysql -u shindo -p

Server version: 10.1.13-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2016, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]> use challenge_db;
Database changed

MariaDB [challenge_db]> show tables;

Tables_in_challenge_db
profiles

1 row in set (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
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]> delete from profiles where birthday = '2000-12-24';
Query OK, 2 rows affected (0.03 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]>

- SELECT文

```
select * from profiles;
```

- DELETE文

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