XAMPP(MAMP)とMySQLの課題

INSERT INTO profiles (profilesID,name,tel,age,birthday) VALUES (1,'田中 実','012-345-6789',30,'1994-02-01'); INSERT INTO profiles (profilesID,name,tel,age,birthday) VALUES (2,'鈴木 茂','090-1122-3344',37,'1987-08-12'); INSERT INTO profiles (profilesID,name,tel,age,birthday) VALUES (3,'鈴木 実','080-5566-7788',24,'2000-12-24'); INSERT INTO profiles (profilesID,name,tel,age,birthday) VALUES (4,'佐藤 清','012-0987-6543',19,'2005-08-01'); INSERT INTO profiles (profilesID,name,tel,age,birthday) VALUES (5,'高橋 清','090-9900-1234',24,'2000-12-24');

```
_ 0 X
XAMPP for Windows - mySQL -u odijor -D Challenge_db -p
MariaDB [Challenge db]> SELECT profilesID.name.tel.age.birthday FROM profiles;
 profilesID | name
           1 | 田中 実 | 012-345-6789 |
  row in set (0.00 sec)
MariaDB [Challenge_db]> INSERT INTO profiles (profilesID,name,tel,age,birthday)
VALUES(2,'鈴木 茂','090-1122-3344',37,'1987-08-12');
Query OK, 1 row affected (0.04 sec)
MariaDB [Challenge_db]> INSERT INTO profiles (profilesID.name.tel.age.birthday)
VALUES(3,'鈴木 実','080-5566-7788',24,'2000-12-24');
Query OK, 1 row affected (0.00 sec)
MariaDB [Challenge_db]> INSERT INTO profiles (profilesID,name,tel,age,birthday)
VALUES (4,'佐藤 清','012-0987-6543',19,'2005-08-01');
Query OK, 1 row affected (0.00 sec)
MariaDB [Challenge_db]> INSERT INTO profiles (profilesID,name,tel,age,birthday)
VALUES (5,'高橋 清','090-9900-1234',24,'2000-12-24');
Query OK, 1 row affected (0.00 sec)
MariaDB [Challenge_db]> SELECT * FROM profiles
 profilesID | name
                                             birthday
              田中 実
                        012-345-6789
                                               1994-02-01
              鈴木 茂
                        090-1122-3344
                                               1987-08-12
                                          24
                                               2000-12-24
                                               2005-08-01
```

```
_ 0 X
XAMPP for Windows - mySQL -u odijor -D Challenge_db -p
MariaDB [Challenge_db]> INSERT INTO profiles (profilesID,name,tel,age,birthday)
VALUES(4,'佐藤 清','012-0987-6543',19,'2005-08-01');
Query OK, 1 row affected (0.00 sec)
MariaDB [Challenge_db]> INSERT INTO profiles (profilesID,name,tel,age,birthday)
VALUES(5,'高橋 清','090-9900-1234',24,'2000-12-24');
Query OK, 1 row affected (0.00 sec)
MariaDB [Challenge db]> SELECT * FROM profiles
 profilesID | name
                      tel
                                             birthday
              田中実
                       012-345-6789
                                              1994-02-01
              鈴木 茂
                                         37
                        090-1122-3344
                                              1987-08-12
              鈴木 実
                        080-5566-7788
                                         24 | 2000-12-24
              佐藤 清
                                              2005-08-01
                        012-0987-6543
                        090-9900-1234
                                            2000-12-24
 5 rows in set (0.05 sec)
MariaDB [Challenge_db]> SELECT * WHERE profilesID=3 FROM profiles;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MariaDB server version for the right syntax to use near 'WHE
RE profilesID=3 FROM profiles' at line 1
MariaDB [Challenge_db]> SELECT * FROM profiles WHERE profilesID=3;
 profilesID | name
          |3||鈴木 実||080-5566-7788||
 row in set (0.07 sec)
MariaDB [Challenge_db]>
```

```
- 0 X
XAMPP for Windows - mySQL -u odijor -D Challenge_db -p
MariaDB [Challenge_db]> INSERT INTO profiles (profilesID,name,tel,age,birthday)
VALUES(5,'高橋 清','090-9900-1234',24,'2000-12-24');
Query OK, 1 row affected (0.00 sec)
MariaDB [Challenge db]> SELECT * FROM profiles
 profilesID | name
              田中 実
                      | 012-345-6789 |
                                        30 | 1994-02-01
                       090-1122-3344
              鈴木 茂
                                              1987-08-12
             鈴木 実
                        080-5566-7788
                                         24
                                             2000-12-24
              佐藤 清
                                             2005-08-01
5 rows in set (0.05 sec)
MariaDB [Challenge_db]> SELECT * WHERE profilesID=3 FROM profiles;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MariaDB server version for the right syntax to use near 'WHE
RE profilesID=3 FROM profiles' at line 1
MariaDB [Challenge db]> SELECT * FROW profiles WHERE profilesID=3;
 profilesID | name | tel
          3 | 鈴木 実 | 080-5566-7788 |
 row in set (0.07 sec)
MariaDB [Challenge_db]> SELECT * FROM profiles WHERE name='高橋清';
 profilesID | name | tel
                                      age | birthday
          5 | 高橋 清 | 090-9900-1234 | 24 | 2000-12-24
 row in set (0.04 sec)
```

MariaDB [Challenge_db]>

XAMPP for Win	dows - mySQ	L -u odijor -D Challer	nge_db -p	A SHAPE		
1 1 2 1 3 3 1 4 1 5 1	田中 鈴木 鈴木藤 店橋 高橋	012-345-6789 090-1122-3344 080-5566-7788 012-0987-6543 090-9900-1234	30 37 24 19 24	1994-02-01 1987-08-12 2000-12-24 2005-08-01 2000-12-24		
5 rows in set	(0.05 sec)				
ERROR 1064 (42 corresponds to RE profilesID=	2000): You byour Mar 3 FROM pro		n your S ion for 1	SQL syntax; ch the right syn	neck the manual that ntax to use near 'WHE	
profilesID	name	tel	age	birthday		
3	鈴木 実	080-5566-7788	24	2000-12-24		
1 row in set ((0.07 sec)				T ?	
MariaDB [Chall	enge_db]>	SELECT * FROM p	rofiles	WHERE name=';	高橋 清';	
profilesID	name	tel	age	birthday		ш
5	高橋 清	090-9900-1234	24	2000-12-24		
1 row in set ((0.04 sec)		+		•	
MariaDB [Chall	enge_db]>	SELECT * FROM p	rofiles	WHERE age=24	;	
profilesID	name	tel	age	birthday		
3 5	鈴木 実 高橋 清	080-5566-7788 090-9900-1234	24 24	2000-12-24 2000-12-24		
2 rows in set	(0.00 sec)				
MariaDB [Chall	enge_db]>					+

```
XAMPP for Windows - mySQL -u odijor -D Challenge_db -p
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MariaDB server version for the right syntax to use <u>ne</u>ar 'WHE
RE profilesID=3 FROM profiles'at line
       [Challenge_db]> SELECT * FROM profiles WHERE profilesID=3;
 profilesID | name
          3 | 鈴木 実 | 080-5566-7788 |
 row in set (0.07 sec)
MariaDB [Challenge_db]> SELECT * FROM profiles WHERE name='高橋清';
 profilesID | name
                      l tel
                                       lage | birthday
          5 | 高橋 清 | 090-9900-1234 | 24 | 2000-12-24
 row in set (0.04 sec)
MariaDB [Challenge_db]> SELECT * FROM profiles WHERE age=24;
 profilesID | name
                      tel
                                 lage | 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]> SELECT * FROM profiles WHERE age>=25;
 profilesID | name
                      tel
                                      age birthday
          1 | 田中 実 | 012-345-6789 | 30 | 1994-02-01
          2 | 鈴木 茂 | 090-1122-3344
 rows in set (0.00 sec)
MariaDB [Challenge_db]>
```

```
_ 0 X
XAMPP for Windows - mySQL -u odijor -D Challenge_db -p
 2 rows in set (0.00 sec)
MariaDB [Challenge_db]> SELECT * FROM profiles WHERE age>=25;
 profilesID | name
                      tel
                                           birthday
          1 | 田中 実 | 012-345-6789 |
                                       30 | 1994-02-01
          |2||鈴木 茂||090-1122-3344|
 rows in set (0.00 sec)
MariaDB [Challenge_db]> SELECT * FROM profiles WHERE name LIKE '%実%';
 profilesID | name
                     l tel
                                           birthday
          1 | 田中 実 | 012-345-6789
                                       30 | 1994-02-01
          3 | 鈴木 実 | 080-5566-7788
 rows in set (0.00 sec)
MariaDB [Challenge_db]> UPDATE profiles SET name='吉田 茂'WHERE profilesID=2;
Query OK, 1 row affected (0.03 sec)
Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [Challenge_db]> SELECT * FROM profiles
 profilesID | name
              田中 実
                                             1994-02-01
             吉田 茂
                                             1987-08-12
                                             2000-12-24
5 rows in set (0.03 sec)
MariaDB [Challenge_db]>
```

課題:特定レコードの削除

profilesID	name	tel	age	birthday
1 3		012-345-6789 080-5566-7788	30 24	1994-02-01 2000-12-24
rows in set	(0.00 sec))	+	+
uery OK, 1 ro ows matched: ariaDB [Chal	ow affected 1 Changed	UPDATE profiles d (0.03 sec) d: 1 Warnings:(SELECT * FROM p)	ne='吉田 茂'
-> ; profilesID	+ name	t tel	+ age	 birthday
1 2 3 4 5	 	012-345-6789 090-1122-3344 080-5566-7788 012-0987-6543 090-9900-1234	30 37 24 19 24	1994-02-01 1987-08-12 2000-12-24 2005-08-01 2000-12-24
rows in set				
		DELETE FROM pro ed (0.20 sec)	files ₩	HERE birthday
ariaDB [Chal	lenge_db]>	SELECT * FROM p	rofiles	
profilesID	+ name	 tel	 age	 birthday
1 2 4	+ 田中 実 吉田 茂 佐藤 清	 012-345-6789 090-1122-3344 012-0987-6543	30 37 19	1994-02-01 1987-08-12 2005-08-01
rows in set	+ (0.00 sec)	+)	+	+
riaDR [Chal	langa dh.T.			

課題:primary keyとforeign keyの宣言

```
XAMPP for Windows - mysgl -u odijor Challenge db -p
MariaDB [Challenge_db]> CREATE TABLE department(departmentID int NOT NULL
   -> PRIMARY KEY, departmentName varchar(255)) ENGINE=InnoDB;
Query OK, O rows affected (0.23 sec)
MariaDB [Challenge_db]> CREATE TABLE station(stationID int NOT NULL
   -> PRIMARY KEY, stationName varchar(255)) ENGINE=InnoDB;
Query OK, 0 rows affected (0.11 sec)
MariaDB [Challenge_db]> CREATE TABLE user(userID int NOT NULL PRIMARY KEY,
   -> name varchar(255), tell varchar(255), age int, birthday date,
   -> departmentID int, stationID int, foreign kev(departmentID) references
   -> department(departmentID), foreign kev(stationID) references
   -> station(stationID)) engine=InnoDB;
Query OK, 0 rows affected (0.10 sec)
MariaDB [Challenge_db]> insert into department (departmentID.departmentName)
   -> values (1,'開発部');
Query OK, 1 row affected (0.24 sec)
MariaDB [Challenge db]> insert into department (departmentID,departmentName)
   -> values (2,'営業部');
Query OK, 1 row affected (0.05 sec)
MariaDB [Challenge_db]> insert into department (departmentID,departmentName)
```

XAMPP for Windows - mysal -u odijor Challenge db -p MariaDB [Challenge_db]> insert into department (departmentID.departmentName) -> values (1, '開発部'); Query OK, 1 row affected (0.24 sec) MariaDB [Challenge_db]> insert into department (departmentID.departmentName) -> values (2,'営業部'); Query OK, 1 row affected (0.05 sec) MariaDB [Challenge_db]> insert into department (departmentID.departmentName) -> values (3,'総務部'); Query OK, 1 row affected (0.07 sec) MariaDB [Challenge_db]> insert into station (stationID.stationName) -> values (1,'九段下'); Query OK, 1 row affected (0.09 sec) MariaDB [Challenge_db]> insert into station (stationID,stationName) -> values (2, '永田町'); Query OK, 1 row affected (0.04 sec) MariaDB [Challenge_db]> insert into station (stationID.stationName) -> values (3,'渋谷'); Query OK, 1 row affected (0.05 sec)

```
XAMPP for Windows - mysal -u odijor Challenge db -p
MariaDB [Challenge_db]> insert into station (stationID.stationName)
    -> values (1,'九段下');
Query OK, 1 row affected (0.09 sec)
MariaDB [Challenge_db]> insert into station (stationID.stationName)
    -> values (2, '永田町');
Query OK, 1 row affected (0.04 sec)
MariaDB [Challenge_db]> insert into station (stationID.stationName)
    -> values (3,'渋谷');
Query OK, 1 row affected (0.05 sec)
MariaDB [Challenge_db]> insert into station (stationID.stationName)
   -> values (4,'神保町');
Query OK, 1 row affected (0.05 sec)
MariaDB [Challenge_db]> insert into station (stationID.stationName)
    -> values (5,'上井草');
Query OK, 1 row affected (0.04 sec)
MariaDB [Challenge_db]> insert into user (userID,name,tell,age,birthday,
    -> department ID, station ID) values (1, '田中 実', '012-345-6789, 30,
    '> '1994-02-01',;
```

XAMPP for Windows - mysql -u odijor Challenge db -p select * from station;at line 2 MariaDB [Challenge_db]> insert into user (userID,name,tell,age,birthday, -> department ID, station ID) values (1, "田中 実", "012-345-6789", 30, -> '1994-02-01',3,1); Query OK, 1 row affected (0.10 sec) MariaDB [Challenge_db]> insert into user (userID,name,tell,age,birthday, -> department ID, station ID) values (2, '鈴木 茂', '090-1122-3344', 37, -> '1987-08-12',3,4); Query OK, 1 row affected (0.05 sec) MariaDB [Challenge_db]> insert into user (userID,name,tell,age,birthday, -> department ID, station ID) values (3,'鈴木 実','080-5566-7788',37, -> '2000-12-24',2.5): Query OK, 1 row affected (0.03 sec) MariaDB [Challenge_db]> insert into user (userID,name,tell,age,birthday, -> department ID, station ID) values (4, '佐藤清', '012-0987-6543', 19, -> '2005-08-01'.1.5); Query OK, 1 row affected (0.02 sec) MariaDB [Challenge_db]> insert into user (userID,name,tell,age,birthday, -> department ID, station ID) values (5, 高橋 清', '090-9900-1234', 24, -> '2000-12-24'.3.5): Query OK, 1 row affected (0.04 sec)

XAMI	PP for Windo	ws - mysgl	-u odijor Chal	leng	e db -p	į.			0		
	10-00-001-00-00-00-00-00-00-00-00-00-00-		select * fi								^
+ user D	ID name	tel	l	2	age	birthday		departmentID	s	tationI	
 !	1 田中	実 012	-345-6789		30	1994-02-01	-+	3			
	2 鈴木	茂丨090	-1122-3344		37	1987-08-12		3	1		
4 -	3 鈴木	実 080	-5566-7788	Ì	24	2000-12-24	Ī	2	1		
5 	4 佐藤	清 012	-0987-6543		19	2005-08-01	1	1	1		
) 	5 高橋	清 090	-9900-1234	ĺ	24	2000-12-24	ĺ	3	1		
+	+	+		+	+		-+	÷	+		
5 rows	in set (().09 sec)									
MariaDD	B [Challer	nge_db]>	select * fr	rom	depar	tment;					
depa	rtmentID	departm	entName								
	1 2	 開発部 営業部									+

