

データベース課題

課題1 入力した文章

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

2.insert into profiles(profilesID)values(1),(2),(3),(4),(5);

3.updata profiles set name='名前', tell='電話番号',age=年齢,birthday='誕生日';
where profilesID=00?;

4.select*from profiles;

課題1 結果

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

MariaDB [challenge_db]> update profiles set name='鈴木 実',tell='080-5566-7788',age=24,birthday='2000-12-24'where profilesID=003;
Query OK, 1 row affected (0.08 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [challenge_db]> update profiles set name='佐藤 清',tell='012-0987-6543',age=19,birthday='2005-08-01'where profilesID=004;
Query OK, 1 row affected (0.05 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [challenge_db]> update profiles set name='高橋 清',tell='090-9900-1234',age=24,birthday='2000-12-24'where profilesID=005;
Query OK, 1 row affected (0.03 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          | 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

1.select name,tell,age,birthday,from profiles where profilesID=003;

課題2結果

```
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [challenge_db]> update profiles set name='高橋 清',tell='090-9900-1234',age=24,birthday='2000-12-24'where profilesID=005;
Query OK, 1 row affected (0.03 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          | 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 name,tell,age,birthday from profiles where profiles ID=003;
+-----+-----+-----+-----+
| name      | tell          | age  | birthday      |
+-----+-----+-----+-----+
| 鈴木 実   | 080-5566-7788 | 24   | 2000-12-24    |
+-----+-----+-----+-----+
1 row in set (0.06 sec)

MariaDB [challenge_db]> _
```

課題3

1select profilesID,tell,age,birthday,from profiles where name='高橋 清';

課題3結果

```
3 | 3 | 鈴木 実 | 080-5566-7788 | 24 | 2000-12-24 |
4 | 4 | 佐藤 清 | 012-0987-6543 | 19 | 2005-08-01 |
5 | 5 | 高橋 清 | 090-9900-1234 | 24 | 2000-12-24 |
+-----+-----+-----+-----+-----+
```

5 rows in set (0.00 sec)

MariaDB [challenge_db]> select name,tell,age,birthday from profiles where profiles ID=003;

```
+-----+-----+-----+-----+
| name | tell | age | birthday |
+-----+-----+-----+-----+
| 鈴木 実 | 080-5566-7788 | 24 | 2000-12-24 |
+-----+-----+-----+-----+
```

1 row in set (0.06 sec)

MariaDB [challenge_db]> select from profiles where name='高橋 清';
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 'from profiles where name='高橋 清'' at line 1

MariaDB [challenge_db]> select profilesID,tell,age,birthday from profiles where name='高橋 清';

```
+-----+-----+-----+-----+
| profilesID | tell | age | birthday |
+-----+-----+-----+-----+
| 5 | 090-9900-1234 | 24 | 2000-12-24 |
+-----+-----+-----+-----+
```

1 row in set (0.05 sec)

MariaDB [challenge_db]> _

課題4

1.select * from profile where age=24;

課題4結果

```
| name      | tell          | age | birthday |
+-----+-----+-----+-----+
| 鈴木 実   | 080-5566-7788 | 24  | 2000-12-24 |
+-----+-----+-----+-----+
1 row in set (0.06 sec)
```

```
MariaDB [challenge_db]> select from profiles where name='高橋 清';
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 'from pr ofiles where name='高橋 清'' at line 1
```

```
MariaDB [challenge_db]> select profilesID,tell,age,birthday from profiles where name='高橋 清';
```

```
+-----+-----+-----+-----+
| profilesID | tell          | age | birthday |
+-----+-----+-----+-----+
|          5 | 090-9900-1234 | 24  | 2000-12-24 |
+-----+-----+-----+-----+
1 row in set (0.05 sec)
```

```
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

1,select * from profiles age>25;

課題5結果

```
C:\> XAMPP for Windows - mysql -u seino -p

+----+-----+-----+-----+
| profilesID | tell          | age | birthday |
+----+-----+-----+-----+
|          5 | 090-9900-1234 | 24  | 2000-12-24 |
+----+-----+-----+-----+
1 row in set (0.05 sec)

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]> select*from profiles where age=25<;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual, that co
rresponds to your MariaDB server version for the right syntax to use near ',' at li
ne 1
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

1,select * from profiles where name like ‘%実%’;

課題6結果

XAMPP for Windows - mysql -u seino -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 near 'glob '実*' at line 1

MariaDB [challenge_db]> select * from profiles where name glob '実*';

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 'glob '実*' at line 1

MariaDB [challenge_db]> select * from profiles where name like '実*';

Empty 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]> 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

1,update profiles set name='吉田 茂' where profilesID=002;

2,select * from profiles where name='吉田 茂';

課題7結果

XAMPP for Windows - mysql -u seino -p

Query OK, 1 row affected (0.08 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [challenge_db]> select * from profiles where profilesID=002;

profilesID	name	tell	age	birthday
2	吉田 茂	090-1122-3344	37	1987-08-12

1 row in set (0.05 sec)

MariaDB [challenge_db]>

課題8

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

2,select * from profiles;

課題8結果

```
Query OK, 1 row affected (0.12 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 (0.03 sec)
```

```
MariaDB [challenge_db]> delete from profiles where birthday='2000-12-24';
```

```
Query OK, 2 rows affected (0.13 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9.1 ~下に続きます

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

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

課題9.2

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

課題9.3

4,insert into

department(departmentID)value(1),(2),(3);

5update department set departmentName='開発部'
where departmentID=001;

課題9.4

```
6update department set departmentName='営業部'  
where departmentID=002;
```

```
7update department set departmentName='総務部'  
where departmentID=003;
```

課題9.5

8insert into station (stationID, stationName) values
(1,'九段下'),(2,'永田町'),(3,'渋谷'),(4,'神保町'),(5,'上井
草');

9insert into
user(userID,name,tell,age,birthday,departmentID,sta
tionID)values(1,'田中 実
, '012-345-6789',30,'1994-02-01',3,1);

課題9.6

10insert into

```
user(userID,name,tell,age,birthday,departmentID,stationID)values(2,'鈴木 茂',  
'090-1122-3344',37,'1987-08-12',3,4);
```

11insert into

```
user(userID,name,tell,age,birthday,departmentID,stationID)values(3,'鈴木 実',  
'080-5566-7788',24,'2000-12-24',2,5);
```

課題9.7

12insert into

```
user(userID,name,tell,age,birthday,departmentID,stationID)values(4,'佐藤 清',  
'012-0987-6543',19,'2005-08-01',1,5);
```

13insert into

```
user(userID,name,tell,age,birthday,departmentID,stationID)values(5,'高橋 清',  
'090-9900-1234',24,'2000-12-24',3,5);
```


課題9結果1

XAMPP for Windows - mysql -u seino -p

userID	int(11)	YES		NULL	
name	varchar(255)	YES		NULL	
tell	varchar(255)	YES		NULL	
age	int(11)	YES		NULL	
birthday	date	YES		NULL	
departmentID	int(11)	YES	MUL	NULL	
stationID	int(11)	YES	MUL	NULL	

7 rows in set (0.01 sec)

MariaDB [challenge_db]>

結果9.2

```
XAMPP for Windows - mysql -u seino -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]> _
```

結果9.3

```
MariaDB [challenge_db]> desc department;
```

Field	Type	Null	Key	Default	Extra
departmentID	int(11)	NO	PRI	NULL	
departmentName	varchar(255)	YES		NULL	

結果9.4

departmentID	departmentName
1	開発部
2	営業部
3	総務部

結果9.5

Field	Type	Null	Key	Default	Extra
stationID	int(11)	NO	PRI	NULL	
stationName	varchar(255)	YES		NULL	

結果9.6

stationID	stationName
1	九段下
2	永田町
3	渋谷
4	神保町
5	上井草