

データベース基礎

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課題1

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

課題2

MariaDB [challenge_db]> select profilesID,name,tell,age,birthday from profiles
where profilesID=3;

profilesID	name	tell	age	birthday
3	鈴木 実	080-5566-7788	24	2000-12-24

問題3

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

profilesID	name	tell	age	birthday
5	高橋 清	090-9900-1234	24	2000-12-24

問題4

MariaDB [challenge_db]> select profilesID,name,tell,age,
birthday 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

問題5

MariaDB [challenge_db]> select profilesID,name,tell,age,
birthday 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

問題6

MariaDB [challenge_db]> select profilesID,name,tell,age,birthday 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

問題7

- MariaDB [challenge_db]> update profiles set name='吉田 茂'where profilesID=2;
- MariaDB [challenge_db]> select profilesID,name,tell,age,birthday from profiles where profilesID=2;

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

問題8

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

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

問題9

```
MariaDB [challenge_db]> create table user(userID int primary key, name varchar(255),tell varchar(255), age int, birthday date, departmentID int, stationID int);
```

```
MariaDB [challenge_db]> create table department(departmentID int primary key, departmentName varchar(255));
```

```
MariaDB [challenge_db]> create table station(stationID int primary key, stationName varchar(255));
```

```
MariaDB [challenge_db]> alter table user add foreign key(departmentID) references department(departmentID);
```

```
MariaDB [challenge_db]> alter table user add foreign key(stationID) references station(stationID);
```

```
MariaDB [challenge_db]> insert into department(departmentID,departmentname) values(1,'開発部');
```

```
MariaDB [challenge_db]> insert into department(departmentID,departmentname)values(2,'営業部');
```

```
MariaDB [challenge_db]> insert into department(departmentID,departmentname) values(3,'総務部');
```

```
MariaDB [challenge_db]> insert into station(stationID,stationname)values(1,'九段下');
```

```
MariaDB [challenge_db]> insert into station(stationID,stationname)values(2,'永田町');
```

```
MariaDB [challenge_db]> insert into station(stationID,stationname) values(3,'渋谷');
```

```
MariaDB [challenge_db]> insert into station(stationID,stationname)values(4,'神保田');
```

```
MariaDB [challenge_db]> insert into station(stationID,stationname)values(5,'上井草');
```

問題9

MariaDB [challenge_db]> insert into user(userID,name,tell,age,birthday,departmentID,stationID)values(1,'田中 実','012-345-6789',30,'1994-02-01',3,1);

MariaDB [challenge_db]> insert into user(userID,name,tell,age,birthday,departmentID,stationID)values(2,'鈴木 茂','090-1122-3344',37,'1987-08-12',3,4);

MariaDB [challenge_db]> insert into user(userID,name,tell,age,birthday,departmentID,stationID)values(3,'鈴木 実','080-5566-7788',24,'2000-12-24',2,5);

MariaDB [challenge_db]> insert into user(userID,name,tell,age,birthday,departmentID,stationID)values(4,'佐藤 清','012-0987-6543',19,'2005-08-01',1,5);

MariaDB [challenge_db]> insert into user(userID,name,tell,age,birthday,departmentID,stationID)values(5,'高橋 清','090-9900-1234',24,'2000-12-24',3,5);

MariaDB [challenge_db]> select *from user;

user ID	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

問題9

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

MariaDB [challenge_db]> select *from department;

departmentID	departmentName
1	開発部
2	営業部
3	総務部