

## 課題9-1

課題9:[このリンク](#)にあるようなテーブル群(複数シートあり)をCREATEし、記述されているレコードをINSERTしてください。  
CREATE時には同時に主キーと外部キーの指定もしてください(Primary KeyとForeign Keyを宣言)。  
全件INSERT後、SELECT \*を実行することにより全要素を表示してください

```
ca 選択 スクロール XAMPP for Windows - mysql -u matsumoto -p
MariaDB [challenge_db]> select * from user;
+-----+-----+-----+-----+-----+-----+-----+
---+
| userID | name   | tell           | age | birthday   | departmentID | station |
ID |
+-----+-----+-----+-----+-----+-----+-----+
---+
| 1 | 田中 実 | 012-345-6789 | 30 | 1994-02-01 | 3 |  |
| 2 | 鈴木 茂 | 090-1122-3344 | 37 | 1987-08-12 | 3 |  |
| 3 | 鈴木 実 | 080-5566-7788 | 24 | 2000-12-24 | 2 |  |
| 4 | 佐藤 清 | 012-0987-6543 | 19 | 2005-08-01 | 1 |  |
| 5 | 高橋 清 | 090-9900-1234 | 24 | 2000-12-24 | 3 |  |
+-----+-----+-----+-----+-----+-----+-----+
---+
5 rows in set (0.00 sec)

MariaDB [challenge_db]>
```

## 課題9-2

```
create table user(userID int, name varchar(255), tell varchar(255), age int, birthday date, departmentID int, stationID int, index key_ID(userID),foreign key(departmentID) references department(departmentID) on delete cascade on update cascade,foreign key(stationID) references station(stationID) on delete cascade on update cascade) engine=innodb;
```

```
insert into user values (1,'田中 実','012-345-6789',30,'1994-02-01',3,1);
```

```
insert into user values (2,'鈴木 茂','090-1122-3344',37,'1987-08-12',3,4);
```

```
insert into user values (3,'鈴木 実','080-5566-7788',24,'2000-12-24',2,5);
```

```
insert into user values (4,'佐藤 清','012-0987-6543',19,'2005-08-01',1,5);
```

```
insert into user values (5,'高橋 清','090-9900-1234',24,'2000-12-24',3,5);
```

in

C:\xampp> XAMPP for Windows - mysql -u matsumoto -p

```
MariaDB [challenge_db]> create table user(userID int, name varchar(255), tell varchar(255), age int, birthday date, departmentID int, stationID int, index key_ID(userID), foreign key(departmentID) references department(departmentID) on delete cascade on update cascade, foreign key(stationID) references station(stationID) on delete cascade on update cascade) engine=innodb;
Query OK, 0 rows affected (0.72 sec)
```

```
MariaDB [challenge_db]> select * from user;
Empty set (0.00 sec)
```

```
MariaDB [challenge_db]> insert into user values (1,'田中 実','012-345-6789',30,'1994-02-01',3,1);
Query OK, 1 row affected (0.05 sec)
```

```
MariaDB [challenge_db]> insert into user values (2,'鈴木 茂','090-1122-3344',37,'1987-08-12',3,4);
Query OK, 1 row affected (0.03 sec)
```

```
MariaDB [challenge_db]> insert into user values (3,'鈴木 実','080-5566-7788',24,'2000-12-24',2,5);
Query OK, 1 row affected (0.03 sec)
```

```
MariaDB [challenge_db]> insert into user values (4,'佐藤 清','012-0987-6543',19,'2005-08-01',1,5);
Query OK, 1 row affected (0.03 sec)
```

```
MariaDB [challenge_db]> insert into user values (5,'高橋 清','090-9900-1234',24,'2000-12-24',3,5);
Query OK, 1 row affected (0.08 sec)
```

## 課題9-3

```
create table station(stationID int not null, stationName  
varchar(255),primary key (stationID))engine=innnoDB;
```

```
insert into station values(1,'九段下');
```

```
insert into station values(2,'永田町');
```

```
insert into station values(3,'渋谷');
```

```
insert into station values(4,'神保町');
```

```
insert into station values(5,'上井草');
```

```
ca XAMPP for Windows - mysql -u matsumoto -p
MariaDB [challenge_db]> create table station(stationID int not null, stationName  
  varchar(255),primary key (stationID))engine=innnoDB;
Query OK, 0 rows affected (0.25 sec)

MariaDB [challenge_db]> insert into station values(1,'九段下');
Query OK, 1 row affected (0.05 sec)

MariaDB [challenge_db]> insert into station values(2,'九段下');
Query OK, 1 row affected (0.03 sec)

MariaDB [challenge_db]> delete from station where stationID=2;
Query OK, 1 row affected (0.03 sec)

MariaDB [challenge_db]> insert into station values(2,'永田町');
Query OK, 1 row affected (0.03 sec)

MariaDB [challenge_db]> insert into station values(3,'渋谷');
Query OK, 1 row affected (0.03 sec)

MariaDB [challenge_db]> insert into station values(4,'神保町');
Query OK, 1 row affected (0.03 sec)

MariaDB [challenge_db]> insert into station values(5,'上井草');
Query OK, 1 row affected (0.04 sec)

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)
```

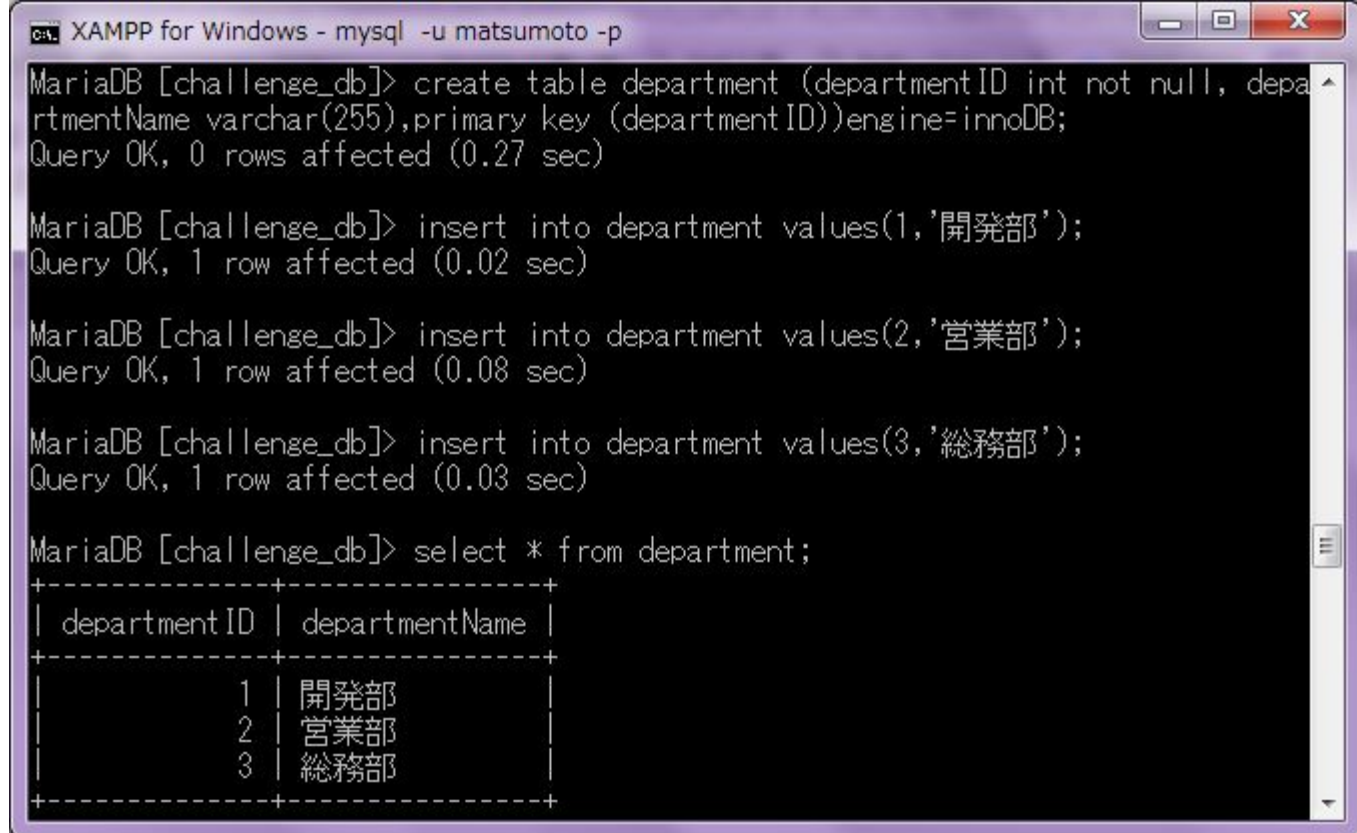
## 課題9-4

```
create table department  
(departmentID int not null,  
departmentName varchar(255),  
primary key (departmentID))  
engine=innnoDB;
```

```
insert into department values(1,'開発部');
```

```
insert into department values(2,'営業部');
```

```
insert into department values(3,'総務部');
```



The screenshot shows a MySQL command prompt window titled "XAMPP for Windows - mysql -u matsumoto -p". The user is in the 'challenge\_db' database. The following commands and their outputs are shown:

```
MariaDB [challenge_db]> create table department (departmentID int not null, departmentName varchar(255), primary key (departmentID)) engine=innodb;  
Query OK, 0 rows affected (0.27 sec)  
  
MariaDB [challenge_db]> insert into department values(1,'開発部');  
Query OK, 1 row affected (0.02 sec)  
  
MariaDB [challenge_db]> insert into department values(2,'営業部');  
Query OK, 1 row affected (0.08 sec)  
  
MariaDB [challenge_db]> insert into department values(3,'総務部');  
Query OK, 1 row affected (0.03 sec)  
  
MariaDB [challenge_db]> select * from department;
```

departmentID	departmentName
1	開発部
2	営業部
3	総務部