

## ●Primary Key と Foreign Keyの宣言

▽department テーブル作成

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

▽station テーブル作成

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

▽user テーブル作成

```
create table user(  
  userID int auto_increment primary key,  
  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)  
);
```

▽department INSERT

```
insert into department set departmentName='開発部';  
insert into department set departmentName='営業部';  
insert into department set departmentName='総務部';
```

▽station INSERT

```
insert into station set stationName='九段下';  
insert into station set stationName='永田町';  
insert into station set stationName='渋谷';  
insert into station set stationName='神保町';  
insert into station set stationName='上井草';
```

▽user INSERT

```
insert into user  
(name,tell,age,birthday,departmentID,stationID)values  
('田中 実','012-345-6789',30,19940201,3,1);
```

```
insert into user  
(name,tell,age,birthday,departmentID,stationID)values  
('鈴木 茂','090-1122-3344',37,19870812,3,4);
```

```
insert into user  
(name,tell,age,birthday,departmentID,stationID)values  
('鈴木 実','080-5566-7788',24,20001224,2,5);
```

```
insert into user  
(name,tell,age,birthday,departmentID,stationID)values  
('佐藤 清','012-0987-6543',19,20050801,1,5);
```

```
insert into user  
(name,tell,age,birthday,departmentID,stationID)values  
('高橋 清','090-9900-1234',24,20001224,3,5);
```

```
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]> select*from department;
```

departmentID	departmentName
1	開発部
2	営業部
3	総務部

```
3 rows in set (0.00 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)
```