

```
//user テーブルを作成。
//userID は auto_increment で自動で番号付けをする。さらに primary key に設定。
(foreign key は後で追加する。)
mysql> create table user(
-> userID int not null auto_increment,
-> name varchar(255),
-> tell varchar(255),
-> age int,
-> birthday date,
-> departmentID int,
-> stationID int,
-> primary key(userID)
-> );

//user テーブルに各レコードのデータを入力していく。
mysql> insert into user(name,tell,age,birthday,departmentID,stationID)
-> values('田中実','012-345-6789',30,'1994-02-01',3,1);
Query OK, 1 row affected (0.01 sec)

mysql> insert into
user_test(name,tell,age,birthday,departmentID,stationID)
-> values('鈴木茂','090-1122-3344',37,'1987-08-12',3,4);
Query OK, 1 row affected (0.00 sec)

mysql> insert into
user_test(name,tell,age,birthday,departmentID,stationID)
-> values('鈴木実','080-5566-7788',24,'2000-12-24',2,5);
Query OK, 1 row affected (0.01 sec)

mysql> insert into
user_test(name,tell,age,birthday,departmentID,stationID)
-> values('佐藤清','012-0987-6543',19,'2005-08-01',1,5);
Query OK, 1 row affected (0.01 sec)

mysql> insert into
user_test(name,tell,age,birthday,departmentID,stationID)
-> values('高橋清','090-9900-1234',24,'2000-12-24',3,5);
Query OK, 1 row affected (0.00 sec)

//department テーブルを作成。
//departmentID は auto_increment,primary key に設定。
mysql> create table department(
-> departmentID int not null auto_increment,
-> departmentName varchar(255),
-> primary key(departmentID)
-> );
Query OK, 0 rows affected (0.03 sec)

//department テーブルに各レコードのデータを入力。
mysql> insert into department(departmentName)
-> values('開発部');
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into department(departmentName)
-> values('営業部');
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into department(departmentName)
-> values('総務部');
Query OK, 1 row affected (0.00 sec)
```

```
//station テーブルを作成。
//stationID を auto_increment, primary key に設定。
mysql> create table station(
-> stationID int not null auto_increment,
-> stationName varchar(255),
-> primary key(stationID)
-> );
Query OK, 0 rows affected (0.02 sec)
```

```
//station テーブルに各レコードのデータを入力。
mysql> insert into station(stationName)
-> values('九段下');
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into station(stationName)
-> values('永田町');
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into station(stationName)
-> values('渋谷');
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into station(stationName)
-> values('神保町');
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into station(stationName)
-> values('上井草');
Query OK, 1 row affected (0.01 sec)
```

```
//departmentID を foreign key に設定。
mysql> alter table user add foreign key(departmentID) references
department(departmentID); Query OK, 5 rows affected (0.03 sec)
Records: 5 Duplicates: 0 Warnings: 0
```

```
//stationID を foreign key に設定。
mysql> alter table user add foreign key(stationID) references
station(stationID);
Query OK, 5 rows affected (0.04 sec)
Records: 5 Duplicates: 0 Warnings: 0
```

```
//user テーブルの全要素を表示。
mysql> select * from user;
```

```
//department テーブルの全要素を表示。  
mysql> select * from department;
```

```
//station テーブルの全要素を表示。  
mysql> select * from station;
```