

Primary KeyとForeign Keyの宣言

ソースコード

```
create table department(  
  departmentID int not null primary key, departmentName varchar(255)  
)engine=InnoDB;  
  
create table station(stationID int not null primary key, stationName varchar(255)  
)engine=InnoDB;  
  
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)  
)engine=InnoDB;  
  
insert into department(departmentID,departmentName) VALUES (1,'開発部');  
  
insert into department(departmentID,departmentName) VALUES (2,'営業部');  
  
insert into department(departmentID,departmentName) VALUES (3,'総務部');
```

```
insert into station(stationID,stationName) VALUES (1,'九段下');  
  
insert into station(stationID,stationName) VALUES (2,'永田町');  
  
insert into station(stationID,stationName) VALUES (3,'渋谷');  
  
insert into station(stationID,stationName) VALUES (4,'神保町');  
  
insert into station(stationID,stationName) VALUES (5,'上浅草');  
  
insert into user(userID,name,tell,age,birthday,departmentID,stationID)  
VALUES (1,'田中 実','012-345-6789',30,'1994-02-01',3,1);  
  
insert into user(userID,name,tell,age,birthday,departmentID,stationID)  
VALUES  
(2,'鈴木 茂','090-1122-3344',37,'1987-08-12',3,4);  
  
insert into user(userID,name,tell,age,birthday,departmentID,stationID)  
VALUES  
(3,'鈴木 実','080-5566-7788',24,'2000-12-24',2,5);  
  
insert into user(userID,name,tell,age,birthday,departmentID,stationID)  
VALUES  
(4,'佐藤 清','012-0987-6543',19,'2005-08-01',1,5);  
  
insert into user(userID,name,tell,age,birthday,departmentID,stationID)  
VALUES  
(5,'高橋 清','090-9900-1234',24,'2000-12-24',3,5);
```

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実行結果

```
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	上浅草

```
5 rows in set (0.00 sec)
```