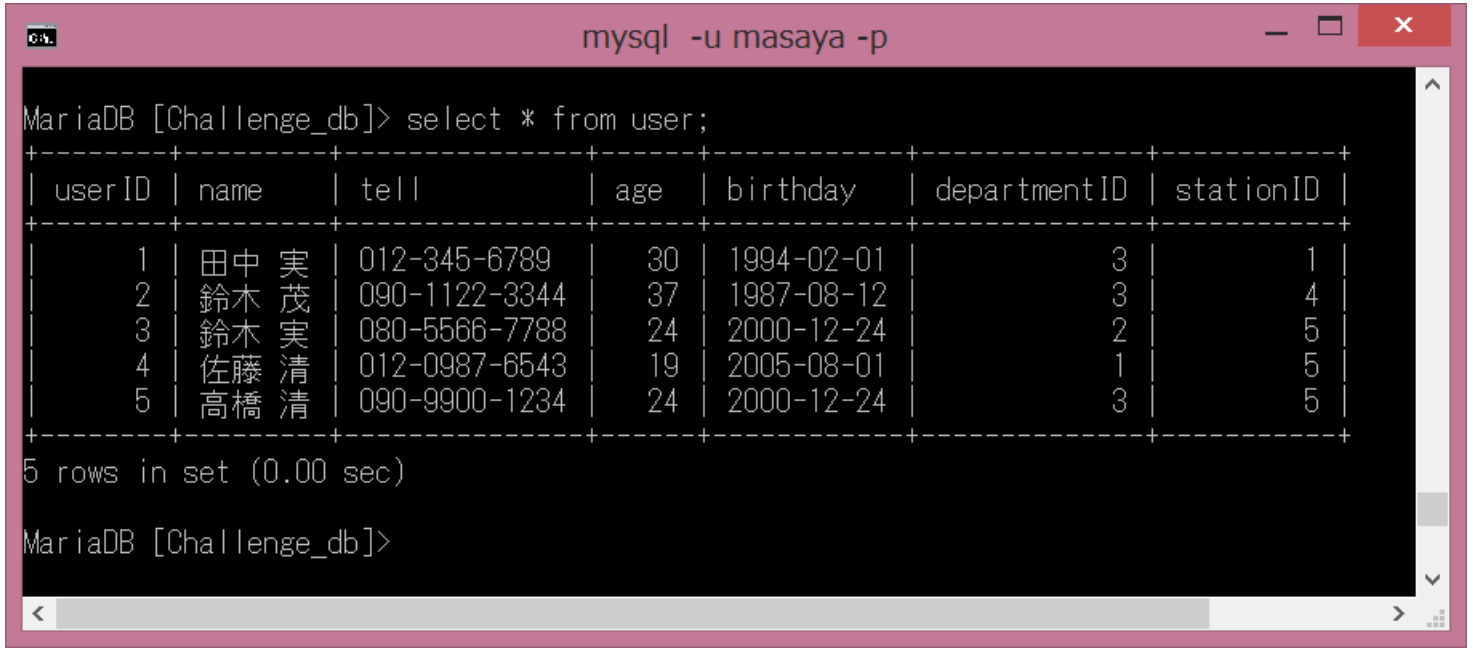
データベース基礎

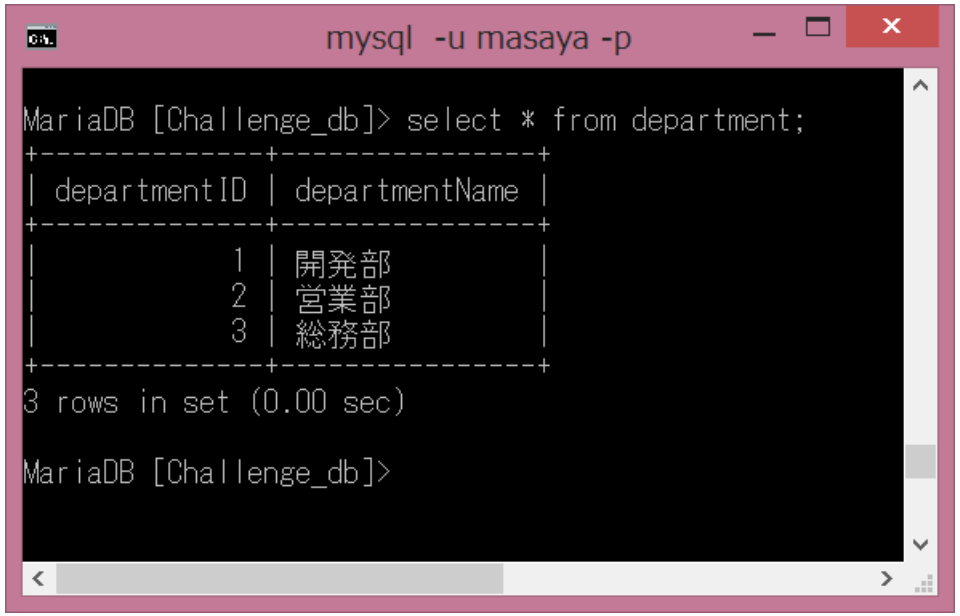
Primary key と Foreign Key の宣言



/*親テーブル「user」の作成(太下線で主キー制約の設定)*/
〇 = create table user (userID int ***not null primary key***, name varchar(255), tell varchar(255), age int, birthday date, departmentID int, stationID int);

/*「user」テーブルにレコードを追加する*/
〇insert into user values(1,'田中 実','012-345-6789',30,'1994-02-01',3,1);

〇insert into user values(5,'高橋 清','090-9900-1234',24,'2000-12-24',3,5);



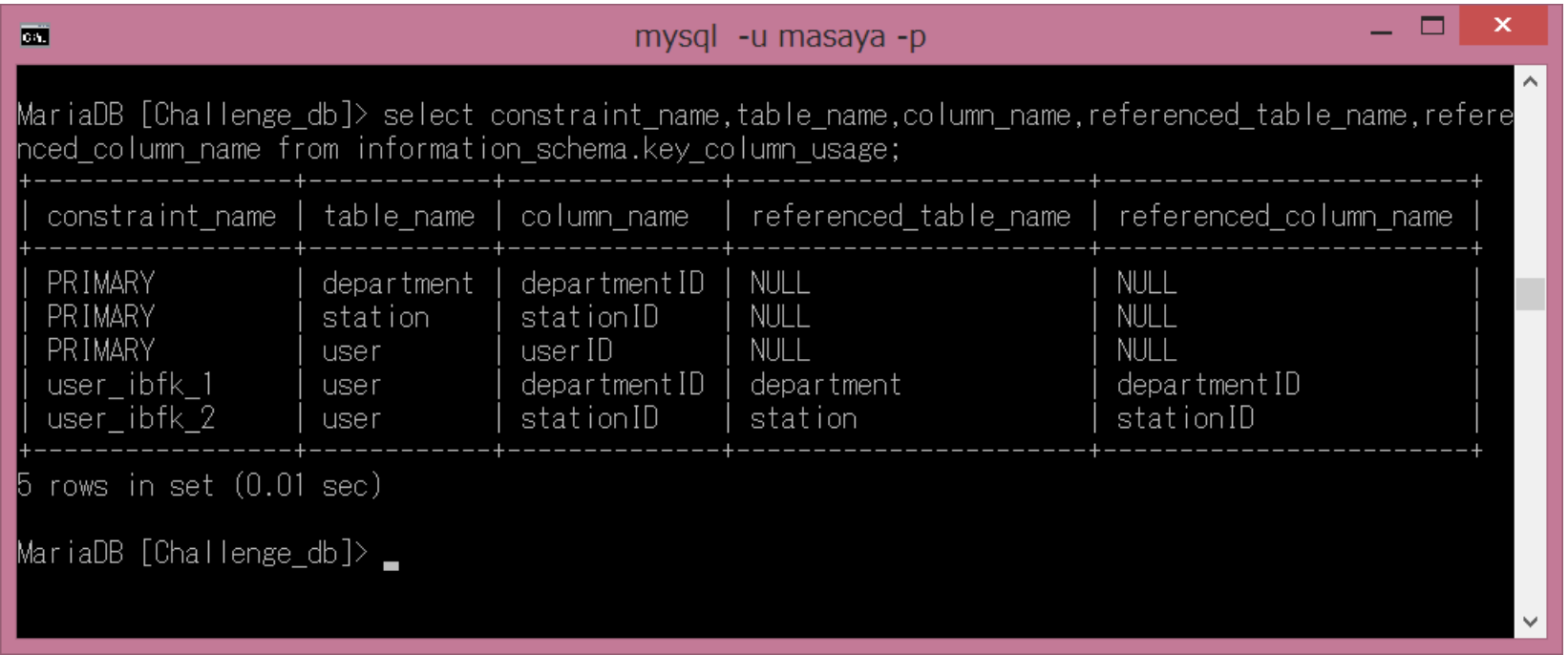
/*子テーブル「department」の作成(太下線で主キー制約の設定)*/
〇 = create table department (departmentID int ***not null primary key***, departmentName varchar(255));

/*「department」テーブルにレコードを追加する*/
〇insert into department values(1,'開発部',);
・・
〇insert into department values(3,'総務部',);

/*子テーブル「station」の作成(太下線で主キー制約の設定)*/
〇 = create table station (stationID int ***not null primary key***, stationName varchar(255));

/*「station」テーブルにレコードを追加する*/
〇insert into station values(1,'九段下',);
・・
〇insert into department values(3,'総務部',);

/*外部キーの設定をする*/
〇alter table user add foreign key (departmentID) references department (departmentID) on delete cascade on update restrict;
〇alter table user add foreign key (departmentID) references department (departmentID) on delete cascade on update restrict;



主キーと外部キーが設定されているかの確認画面

/*下記select文で情報の確認をする*/
〇select constraint_name,table_name,column_name,referenced_table_name,referenced_table_name,referenced_column_name from information_schema.key_column_usage;