

データベース基礎課題：Primary keyとForeign keyの宣言

入力したSQL文：

```
CREATE TABLE department (departmentID int primary key, departmentName varchar(255))  
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');
```

```
CREATE TABLE station (stationID int primary key, stationName varchar(255)) ENGINE =  
InnoDB;
```

```
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, '上井草');
```

```
select stationID, stationName from station;
```

```
select departmentID, departmentName from department;
```

```
MariaDB [GEEKJOB_db]> select stationID ,stationName 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 (0.13 sec)

```
MariaDB [GEEKJOB_db]> select departmentID, departmentName from department;
```

departmentID	departmentName
1	開発部
2	営業部
3	総務部

3 rows in set (0.00 sec)

```
CREATE TABLE user (userID int 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) )ENGINE =  
InnoDB;
```

```

INSERT INTO user (userID, name, tell, age, birthday, departmentID, stationID)VALUES(1,
'田中 実', '012-345-6789', 30 , 19940201,3,1);
INSERT INTO user (userID, name, tell, age, birthday, departmentID, stationID)VALUES(2,
'鈴木 茂', '090-1122-3344', 37 , 19870812,3,4);
INSERT INTO user (userID, name, tell, age, birthday, departmentID, stationID)VALUES(3,
'鈴木 実', '080-5566-7788', 24 , 20001224,2,5);
INSERT INTO user (userID, name, tell, age, birthday, departmentID, stationID)VALUES(4,
'佐藤 清', '012-0987-6543', 19 , 20050801,1,5);
INSERT INTO user (userID, name, tell, age, birthday, departmentID, stationID)VALUES(5,
'高橋 清', '090-9900-1234', 24 , 20001224,3,5);

```

```
select * from user;
```

```

MariaDB [geekjob_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)

```