6-9 Primary Key と Foreign Keyの宣言

```
---userテーブルの作成---
 CREATE TABLE user (
    -> userID int NOT NULL AUTO_INCREMENT,
    -> name VARCHAR(255) NOT NULL,
    -> tell VARCHAR(255) NOT NULL,
    -> age int NOT NULL,
    -> birthday date NOT NULL,
    -> departmentID int NOT NULL,
    -> stationID int NOT NULL,
    -> FOREIGN KEY(departmentID) references depatment(departmentID)
    -> FOREIGN KEY(stationID) references station(stationID)
    -> ) engine=InnoDB;

  INSERT INTO user (name, tell, age, birthday, departmentID, stationID )
    -> VALUE('田中 実', '012-345-6789', 30, '1994-02-01',3, 1 ), ('鈴木 茂', '090-1122-3344', 37
'1987-08-12', 3 ,4 ), ('鈴木 実', '080-5566-7788', 24, '2000-12-24', 2, 5), ('佐 藤 清', '012-0987-6543',
19, '2005-08-01', 1, 5), ('高橋 清', '090-9900-1234', 24, '2000-12-24', 3, 5);
```

```
---departmentテーブルの作成---
CREATE TABLE department (
  -> departmentID int NOT NULL AUTO_INCREMENT,
  -> departmentName VARCHAR(255) NOT NULL,
  -> PRIMARY KEY(departmentID)
  -> ) engine=InnoDB;

 INSERT INTO department (departmentID, departmentName )
  -> VALUE(1, '開発部'), (2, '営業部'), (3, '総務部');

 ---stationテーブルの作成---
 create TABLE station （
  -> stationID int NOT NULL AUTO_INCREMENT,
  -> stationName VARCHAR(255) NOT NULL,
  -> PRIMARY KEY(stationID)
  -> ) ENGINE=InnoDB;

  INSERT INTO station (stationName)
  -> VALUE('九段下'), ('永田町'), ('渋谷'), ('神保町'), ('上井草');
```

---内部結合で３つのテーブルの呼び出し---
 select * from user inner join department on user.departmentID = department.departmentID
    -> inner join station on user.stationID = station.stationID;

```
MariaDB [challenge_db]> select * from user inner join department on user.departmentID = department.departmentID
    -> inner join station on user.stationID = station.stationID;
+--------+-----------+--------------+-----+------------+--------------+-----------+--------------+----------------+-----------+-------------+
| userID | name      | tell         | age | birthday   | departmentID | stationID | departmentID | departmentName | stationID | stationName |
+--------+-----------+--------------+-----+------------+--------------+-----------+--------------+----------------+-----------+-------------+
|      1 | 田中 実   | 012-345-6789 |  30 | 1994-02-01 |            3 |         1 |            3 | 総務部         |         1 | 九段下      |
|      2 | 鈴木 茂   | 090-1122-3344|  37 | 1987-08-12 |            3 |         4 |            3 | 総務部         |         4 | 神保町      |
|      3 | 鈴木 実   | 080-5566-7788|  24 | 2000-12-24 |            2 |         5 |            2 | 営業部         |         5 | 上井草      |
|      4 | 佐藤 清   | 012-0987-6543|  19 | 2005-08-01 |            1 |         5 |            1 | 開発部         |         5 | 上井草      |
|      5 | 高橋 清   | 090-9900-1234|  24 | 2000-12-24 |            3 |         5 |            3 | 総務部         |         5 | 上井草      |
+--------+-----------+--------------+-----+------------+--------------+-----------+--------------+----------------+-----------+-------------+
5 rows in set (0.00 sec)
```