Java/データベース基礎/XAMPPとMySQL/Primary Key と Foreign Keyの宣言

■メインテーブル作成&主キーを設定

MariaDB [Challenge_db]> CREATE TABLE dataBase9_user(userID INTEGER,name varchar(255),tell varchar(255),age int,birthday date,departmentID int,stationID int,PRIMARY KEY(userID));

MariaDB [Challenge_db] > CREATE TABLE dataBase9_department(departmentID int,departmentName varchar(255),PRIMARY KEY(departmentID));

MariaDB [Challenge_db] > CREATE TABLE dataBase9_station(stationID int, stationName

varchar(255),PRIMARY KEY(stationID));

■外部キーを設定

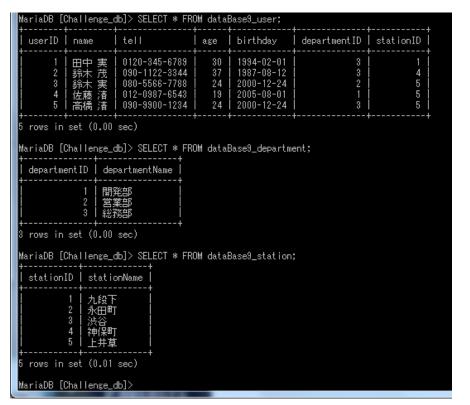
MariaDB [Challenge_db]> ALTER TABLE dataBase9_user ADD FOREIGN KEY (departmentID) REFERENCES dataBase9_department (departmentID);

MariaDB [Challenge_db]> ALTER TABLE dataBase9_user ADD FOREIGN KEY (stationID) REFERENCES dataBase9_station (stationID);

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[SHOW CREATE TABEL ~;]の実行結果 →

[SELECT * FROM ~;]の実行結果



```
MariaDB [Challenge_db]> SHOW CREATE TABLE dataBase9_user;
 Table
                    I Create Table
 ENGINE=InnoDB DEFAULT CHARSET=utf8
 row in set (0.10 sec)
 r:aDB [Challenge_db]> SHDW CREATE TABLE dataBase9_department;
                            I Create Table
 dataBase9_department | CREATE TABLE 'database9_department' (
|department1D' int(11) NOT NULL
|departmentMame varchar(255) DEFAULT NULL,
PRIMARY KEY ('department1D')
ENGINE=InnoDB DEFAULT CHARSET=utf8 |
 row in set (0,00 sec)
 riaDB [Challenge_db]> SHOW CREATE TABLE dataBase9_station;
                         I Create Table
 Table
 dataBase9_station | CREATE TABLE 'database9_station' (
|stationID' int(11) NOT NULL
|stationMame varchar(255) DEFAULT NULL,
PRIMARY KEY ('stationID')
ENGINE=InnoDB DEFAULT CHARSET=utf8 |
 row in set (0.00 sec)
1ariaDB [Challenge_db]>
```