primarykeyとforeignkeyの宣言 課題提出用PDF

実行した内容のテキスト全文 上から順番に実行

・親のテーブルdepartment stationの作成(primarykeyの宣言)

CREATE TABLE department(departmentID int, FOREIGN KEY (departmentID) REFERENCES user(departmentID), departmentName varchar(255)) ENGINE=InnoDB;

CREATE TABLE station(stationID int, FOREIGN KEY (stationID) REFERENCES user(stationID), stationName varchar(255)) ENGINE=InnoDB;

文字コード設定

ALTER TABLE department CONVERT TO CHARACTER SET utf8; ALTER TABLE station CONVERT TO CHARACTER SET utf8;

インデックス作成

ALTER TABLE department ADD INDEX departmentIDid(departmentID); ALTER TABLE station ADD INDEX stationIDid(stationID);

•insert文

insert into department values (1,'開発部'),(2,'営業部'),(3,'総務部'); insert into station values (1,'九段下'),(2,'永田町'),(3,'渋谷'),(4,'神保町'),(5,'上井草');

・子テーブル userの作成(foreignkeyの宣言)

CREATE TABLE user(userID int,name varchar(255),tell varchar(255),age int, birthday date, departmentID int, FOREIGN KEY (departmentID)REFERENCES department(departmentID),stationID int, FOREIGN KEY (stationID)REFERENCES station(stationID)) ENGINE=InnoDB;

文字コード設定

ALTER TABLE user CONVERT TO CHARACTER SET utf8;

insert文

insert into user values(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);

show create table ~の各テーブル実行結果 →

select * from ~ の各テーブル実行結果↓

rows in set (0.00 sec)

```
RROR 1096 (HY000): No tables used
 userID | name
 rows in set (0.00 sec)
MariaDB [challenge_db]> select * from department;
 departmentID | departmentName
 rows in set (0.00 sec)
MariaDB [challenge db]> select * from station;
stationID | stationName
```

```
Table | Create Table
   `userID` int(11) DEFAULT NULL,
`name` varchar(255) DEFAULT NULL,
    age int(11) DEFAULT NULL,
    department ID int (11) DEFAULT NULL,
  StationID THICLY DEFAULT NOLE,
KEY `departmentID` (`departmentID`),
KEY `stationID` (`stationID`),
CONSTRAINT `user_ibfk_1` FOREIGN KEY (`departmentID`) REFERENCES `department` (`departmentID`),
CONSTRAINT `user_ibfk_2` FOREIGN KEY (`stationID`) REFERENCES `station` (`stationID`)
ENGINE=InnoDB DEFAULT CHARSET=utf8 |
  row in set (0.00 sec)
[ariaDB [challenge db]> show create table department;
                       I Create Table
   department | CREATE TABLE `department` (
 department | CAEALE ABLE department (
department | CAEALE ABLE department |
) department Name varchar (255) DEFAULT NULL,
PRIMARY KEY (department ID )
ENGINE=InnoBB DEFAULT CHARSET=utf8 |
  row in set (0.00 sec)
MariaDB [challenge_db]> show create table station;
   Table | Create Table
   station | CREATE TABLE `station` (
 stationID int(11) NOT NULL,
stationName varchar(255) DEFAULT NULL,
PRIMARY KEY (stationID),
EKY stationIDid (stationID)
ENGINE=InnoDB DEFAULT CHARSET=utf8 |
 row in set (0.00 sec)
```

[ariaDB [challenge_db]> show create table user;