Java/データベース基礎(9/9)

# [実行コマンド1]

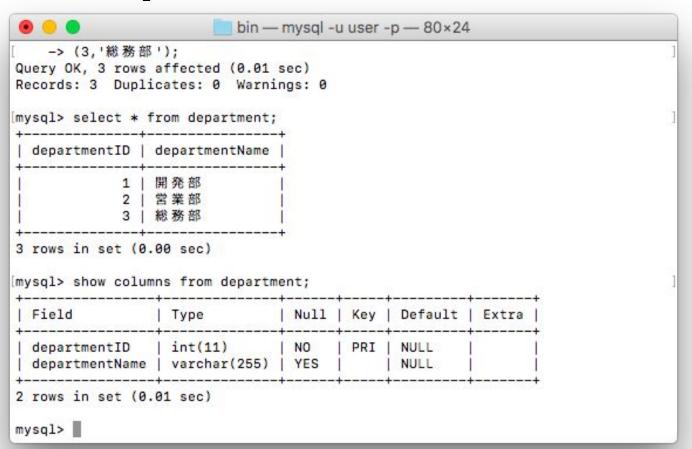
- •table:deartment 作成
- •departmentにレコード登録

mysql> create table department(departmentID int primary key, departmentName varchar(255));

mysql> insert into department values(1,'開発部'),

- -> (2,'営業部'),
- -> (3,'総務部');

# [実行結果1]



## [実行コマンド2]

- •table:station 作成
- station にレコード登録

```
mysql> create table station(stationID int primary key, stationName varchar(255));
```

mysql> insert into station values(1,'九段下'),

- -> (2,'永田町'),
- -> (3,'渋谷'),
- -> (4,'神保町'),
- -> (5,'上井草');

# [実行結果2]

```
bin - mysql -u user -p - 80×24
Records: 5 Duplicates: 0 Warnings: 0
[mysql> select * from station;
 stationID | stationName
            九段下
         2 | 永田町
         3 | 渋谷
         4 | 神保町
             上井草
5 rows in set (0.00 sec)
[mysql> show columns from station;
Field
              Type
                            | Null |
                                    Key
                                          Default |
                                                    Extra
 stationID
              | int(11)
                             l NO
                                     PRI
                                          NULL
  stationName | varchar(255) | YES
                                          NULL
2 rows in set (0.01 sec)
mysql>
```

## [実行コマンド3]

- •table:user 作成
- -user にレコード登録、primal key, foreign key 設定

mysql> 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));

```
mysql> 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);
```

#### [実行結果3-1] select \* from user;

```
. .
                              bin — mysal -u user -p — 91×25
1 row in set (0.00 sec)
mysql> 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);
Query OK, 5 rows affected (0.00 sec)
Records: 5 Duplicates: 0 Warnings: 0
mysql> select * from user;
                     tell
                                            birthday
                                                      | departmentID | stationID
 userID | name
                                     age
                                       30 | 1994-02-01
         田中実
                    012-345-6789
      2 | 鈴木 茂
                 090-1122-3344
                                           1987-08-12
      3 | 鈴木 実
                 080-5566-7788
                                           2000-12-24
                                      24
      4 | 佐藤 清 | 012-0987-6543 |
                                      19
                                           2005-08-01
                    090-9900-1234
                                       24 | 2000-12-24
5 rows in set (0.00 sec)
mysql>
```

### [実行結果3-2] show create table user;

<b>●</b> •	in — mysql −u user −p — 114×39
mysql> show create table user;	
<del>+</del>	
Table   Create Table	
1	
[+	
	~
user   CREATE TABLE `user` (	
`userID` int(11) NOT NULL, `name` varchar(255) DEFAULT NULL,	
`tell` varchar(255) DEFAULT NULL,	
`age` int(11) DEFAULT NULL,	
`birthday` date DEFAULT NULL,	
`departmentID` int(11) DEFAULT NULL,	
`stationID` int(11) DEFAULT NULL, PRIMARY KEY (`userID`),	
KEY 'departmentID' ('departmentID'),	
KEY `stationID` (`stationID`),	
[ CONSTRAINT 'user_ibfk_1' FOREIGN KEY	('departmentID') REFERENCES 'department' ('departmentID'),
	(`stationID`) REFERENCES `station` (`stationID`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8	

#### [実行結果3-3] show columns from user;

