

MySQL課題9-1

```
mysql> CREATE TABLE department (departmentID int not null primarykey, departmentName varchar(255),  
index(departmentName)) engine=InnoDB;  
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your  
MySQL server version for the right syntax to use near 'primarykey, departmentName varchar(255),  
index(departmentName)) engine=InnoDB' at line 1  
mysql> CREATE TABLE department (departmentID int NOT NULL PRIMARY KEY, departmentName  
varchar(255), index(departmentName)) engine=InnoDB;  
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> insert into department (departmentID, departmentName) values (1,'九段下');  
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into department (departmentID, departmentName) values (2,'永田町');  
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into department (departmentID, departmentName) values (3,'渋谷');  
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into department (departmentID, departmentName) values (4,'神保町');  
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into department (departmentID, departmentName) values (5,'上井草');  
Query OK, 1 row affected (0.01 sec)
```

```
mysql> select * from department;
```

departmentID	departmentName
5	上井草
1	九段下
2	永田町
3	渋谷
4	神保町

5 rows in set (0.00 sec)

```
mysql> 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)

```
mysql>
```

MySQL課題9-2

```
mysql> alter table department rename station;  
Query OK, 0 rows affected (0.00 sec)
```

```
mysql> alter table station change departmentID stationID;  
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your  
MySQL server version for the right syntax to use near " at line 1  
mysql> alter table station change departmentID stationID int;  
Query OK, 0 rows affected (0.01 sec)  
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> show tables;  
+-----+  
| Tables_in_challenge_db |  
+-----+  
| profiles               |  
| station                 |  
+-----+  
2 rows in set (0.00 sec)
```

```
mysql> select * from station;  
+-----+-----+  
| stationID | departmentName |  
+-----+-----+  
| 5 | 上井草 |  
| 1 | 九段下 |  
| 2 | 永田町 |  
| 3 | 渋谷 |  
| 4 | 神保町 |  
+-----+-----+  
5 rows in set (0.00 sec)
```

```
mysql> alter table station change departmentName stationName varchar(255);  
Query OK, 0 rows affected (0.01 sec)  
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> 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)  
  
mysql>
```

MySQL課題9-3

```
mysql> select * from station;
```

```
+-----+-----+
| stationID | stationName |
+-----+-----+
|      5 | 上井草      |
|      1 | 九段下      |
|      2 | 永田町      |
|      3 | 渋谷        |
|      4 | 神保町      |
+-----+-----+
```

5 rows in set (0.00 sec)

```
mysql> CREATE TABLE department (departmentID int NOT NULL PRIMARY KEY, departmentName
varchar(255), index(departmentName)) engine=InnoDB;
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> insert into department (departmentID, departmentName) values (1,'開発部');
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into department (departmentID, departmentName) values (2,'営業部');
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into department (departmentID, departmentName) values (3,'総務部');
Query OK, 1 row affected (0.01 sec)
```

```
mysql> select * from department;
```

```
+-----+-----+
| departmentID | departmentName |
+-----+-----+
|      2 | 営業部        |
|      3 | 総務部        |
|     11 | 開発部        |
+-----+-----+
```

3 rows in set (0.00 sec)

```
mysql> 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)

```
mysql> █
```

MySQL課題9-4

```
mysql> update department set departmentID = 1 where departmentID =11;
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
mysql> select * from department;
```

```
+-----+-----+
| departmentID | departmentName |
+-----+-----+
|      2 | 営業部      |
|      3 | 総務部      |
|      1 | 開発部      |
+-----+-----+
3 rows in set (0.00 sec)
```

```
mysql> CREATE TABLE user (userID int NOT NULL PRIMARY KEY, name varchar(255), age int, birthday
date, departmentID int, stationID int, index(userID),FOREIGN KEY (departmentID) REFERENCES
department(departmentID),FOREIGN KEY(stationID) REFERENCES station(stationID)) engine=InnoDB;
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> select * from user;
Empty set (0.00 sec)
```

```
mysql> show tables;
```

```
+-----+
| Tables_in_challenge_db |
+-----+
| department      |
| profiles        |
| station         |
| user            |
+-----+
4 rows in set (0.00 sec)
```

```
mysql> 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)

mysql>
```

MySQL課題9-5

```
mysql> insert into user (userID, name, age, birthday, departmentID, stationID) values (
-> 1, '田中 実', '012-345-6789', 30, '1994-02-01', 3, 1)
-> ;
```

ERROR 1136 (21S01): Column count doesn't match value count at row 1

```
mysql> insert into user (userID, name, age, birthda
```

```
1);
```

```
mysql> ;
```

ERROR:

No query specified

```
mysql> alter table user add tell varchar(255) after name;
```

Query OK, 0 rows affected (0.03 sec)

Records: 0 Duplicates: 0 Warnings: 0

```
mysql> insert into user (userID, name, tell, age, birthday, departmentID, stationID) values ( 1, '田中 実
```

```
','012-345-6789', 30, '1994-02-01', 3, 1);
```

Query OK, 1 row affected (0.01 sec)

```
mysql> insert into user (userID, name, tell, age, birthday, departmentID, stationID) values ( 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', '', '', )
```

```
-> ;
```

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your

MySQL server version for the right syntax to use near '(3, '鈴木 実', '080-5566-7788', 24

(4, '佐藤 清', '', '', ' at line 3

```
mysql> insert into user (userID, name, tell, age, birthday, departmentID, stationID) val
```

```
','090-1122-3344', 37, '1987-08-12', 3, 4) ( 3, '鈴木 実', '080-5566-7788', 24, '2000-12-24', 2,
```

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that c

MySQL server version for the right syntax to use near '(3, '鈴木 実', '080-5566-7788', 24

line 1

```
mysql> insert into user (userID, name, tell, age, birthday, departmentID, stationID) val
```

```
','090-1122-3344', 37, '1987-08-12', 3, 4);
```

Query OK, 1 row affected (0.00 sec)

```
mysql> 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)

```
mysql>
```

MySQL課題9-6

```
mysql> insert into user (userID, name, tell, age, birthday, departmentID, stationID) values ( 3,'鈴木 実', '080-5566-7788',24,'2000-12-24',2,5);
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into user (userID, name, tell, age, birthday, departmentID, stationID) values ( 4,'佐藤 清', '012-0987-6543',19,'2005-08-01',1,5);
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into user (userID, name, tell, age, birthday, departmentID, stationID) values ( 5,'高橋 清', '090-9900-1234',24,'2000-12-24',3,5);
Query OK, 1 row affected (0.00 sec)
```

```
mysql> 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)

```
mysql> 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)

```
mysql>
```

MySQL課題9-7

```
mysql> 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)

```
mysql> select * from department;
```

departmentID	departmentName
2	営業部
3	総務部
1	開発部

3 rows in set (0.00 sec)

```
mysql> select * from station;
```

stationID	stationName
5	上井草
1	九段下
2	永田町
3	渋谷
4	神保町

5 rows in set (0.00 sec)

```
[mysql> select * ;  
ERROR 1096 (HY000): No tables used  
mysql> 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)

```
[mysql> select * from department;
```

departmentID	departmentName
2	営業部
3	総務部
1	開発部

3 rows in set (0.00 sec)

```
[mysql> select * from station;
```

stationID	stationName
5	上井草
1	九段下
2	永田町
3	渋谷
4	神保町

5 rows in set (0.00 sec)

```
mysql>
```