```
-h localhost -u amioda -p

> create table user(userID int NOT NULL PRIMARY KEY, name varchar(255), tell varchar(255), age int, birthday date, departmentID int, stationID int,
ted (0.26 sec)

> create table department(departmentID int, departmentName varchar(255), index(departmentID),
partmentID) REFERENCES user(departmentID))ENGINE=InnoDB;
ted (0.22 sec)

> INSERT INTO User (userID, name, tell, age, birthday, departmentID, stationID) VALUES (1, '田中　実', '012-345-6789', 30, '1994-02-01', 3, 1);
ed (0.04 sec)

> INSERT INTO User (userID, name, tell, age, birthday, departmentID, stationID) VALUES (2, '鈴木　茂', '090-1122-3344', 37, '1987-08-12', 3, 4);
ed (0.13 sec)

> INSERT INTO User (userID, name, tell, age, birthday, departmentID, stationID) VALUES (3, '鈴木　実', '080-5566-7788', 24, '2000-12-24', 2, 5);
ed (0.13 sec)

> INSERT INTO User (userID, name, tell, age, birthday, departmentID, stationID) VALUES (4, '佐藤　清', '012-0987-6543', 19, '2005-08-01', 1, 5);
ed (0.05 sec)

> INSERT INTO User (userID, name, tell, age, birthday, departmentID, stationID) VALUES (5, '高橋　清', '090-9900-1234', 24, '2000-12-24', 3, 5);
ed (0.12 sec)

> select * from user;
```

tell	age	birthday	departmentID	stationID
012-345-6789	30	1994-02-01	3	1
090-1122-3344	37	1987-08-12	3	4
080-5566-7788	24	2000-12-24	2	5
012-0987-6543	19	2005-08-01	1	5
090-9900-1234	24	2000-12-24	3	5

```
:)

> INSERT INTO department (departmentID, departmentName) VALUES (1, '開発部');
ed (0.05 sec)

> INSERT INTO department (departmentID, departmentName) VALUES (2, '営業部');
ed (0.04 sec)

> INSERT INTO department (departmentID, departmentName) VALUES (3, '総務部');
ed (0.04 sec)

> select * from user;
```

tell	age	birthday	departmentID	stationID
012-345-6789	30	1994-02-01	3	1

```
-h localhost -u amioda -p
----------+--------+------------+-------------+----------+
012-345-6789  |   30 | 1994-02-01 |           3 |        1 |
090-1122-3344 |   37 | 1987-08-12 |           3 |        4 |
080-5566-7788 |   24 | 2000-12-24 |           2 |        5 |
012-0987-6543 |   19 | 2005-08-01 |           1 |        5 |
090-9900-1234 |   24 | 2000-12-24 |           3 |        5 |
----------+--------+------------+-------------+----------+
)

> select * from department;
---------+
tmentName |
---------+
3        |
3        |
3        |
---------+
)

> SHOW INDEX FROM users;
le 'challenge_db.users' doesn't exist
> SHOW INDEX FROM user;
-----+----------+--------------+---------------+-----------+-------------+----------+--------+------+------------+---------+---------------+
Key_name     | Seq_in_index | Column_name  | Collation | Cardinality | Sub_part | Packed | Null | Index_type | Comment | Index_comment |
-----+----------+--------------+---------------+-----------+-------------+----------+--------+------+------------+---------+---------------+
PRIMARY      |            1 | userID       | A         |           5 |     NULL | NULL   |      | BTREE      |         |               |
departmentID |            1 | departmentID | A         |           5 |     NULL | NULL   | YES  | BTREE      |         |               |
-----+----------+--------------+---------------+-----------+-------------+----------+--------+------+------------+---------+---------------+
)

> ALTER TABLE user ADD INDEX 'stationID' ( stationID );
u have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near ''stationID'

> ALTER TABLE user ADD INDEX stationID ( stationID );
ted (1.61 sec)
 0  Warnings: 0

> SHOW INDEX FROM user;
-----+----------+--------------+---------------+-----------+-------------+----------+--------+------+------------+---------+---------------+
Key_name     | Seq_in_index | Column_name  | Collation | Cardinality | Sub_part | Packed | Null | Index_type | Comment | Index_comment |
-----+----------+--------------+---------------+-----------+-------------+----------+--------+------+------------+---------+---------------+
PRIMARY      |            1 | userID       | A         |           5 |     NULL | NULL   |      | BTREE      |         |               |
departmentID |            1 | departmentID | A         |           5 |     NULL | NULL   | YES  | BTREE      |         |               |
stationID    |            1 | stationID    | A         |           5 |     NULL | NULL   | YES  | BTREE      |         |               |
-----+----------+--------------+---------------+-----------+-------------+----------+--------+------+------------+---------+---------------+
)

> create table station(stationID int, stationName varchar(255), index(stationID),
tionID) REFERENCES user(stationID))ENGINE=InnoDB;
ted (0.38 sec)
```

```
-h localhost -u amioda -p

)

> create table station(stationID int, stationName varchar(255), index(stationID),
ationID) REFERENCES user(stationID))ENGINE=InnoDB;
ted (0.38 sec)

> INSERT INTO station (stationID, stationName) VALUES (1, '九段下');
ed (0.12 sec)

> INSERT INTO station (stationID, stationName) VALUES (2, '永田町');
nnot add or update a child row: a foreign key constraint fails (`challenge_db`.`station`, CONSTRAINT `station_ibfk_1` FOREIGN KEY (`stationID`) REFE

> INSERT INTO station (stationID, stationName) VALUES (2, '永田町');
nnot add or update a child row: a foreign key constraint fails (`challenge_db`.`station`, CONSTRAINT `station_ibfk_1` FOREIGN KEY (`stationID`) REFE

> select * from station;
----+
ame |
----+
    |
----+

> INSERT INTO station (stationID, stationName) VALUES (4, '神保町');
ed (0.07 sec)

> INSERT INTO station (stationID, stationName) VALUES (5, '上井草');
ed (0.08 sec)

> select * from user;
-----------+------+-----------+--------------+-----------+
ell        | age  | birthday  | departmentID | stationID |
-----------+------+-----------+--------------+-----------+
012-345-6789 |   30 | 1994-02-01 |            3 |         1 |
090-1122-3344 |   37 | 1987-08-12 |            3 |         4 |
080-5566-7788 |   24 | 2000-12-24 |            2 |         5 |
012-0987-6543 |   19 | 2005-08-01 |            1 |         5 |
090-9900-1234 |   24 | 2000-12-24 |            3 |         5 |
-----------+------+-----------+--------------+-----------+

)

> select * from department;
----------+
tmentName |
----------+
3         |
3         |
3         |
----------+

)
```

```
----+
    |
----+
```

```
> INSERT INTO station (stationID, stationName) VALUES (4, '神保町');
ed (0.07 sec)

> INSERT INTO station (stationID, stationName) VALUES (5, '上井草');
ed (0.08 sec)

> select * from user;
```

tell	age	birthday	departmentID	stationID
)12-345-6789	30	1994-02-01	3	1
)90-1122-3344	37	1987-08-12	3	4
)80-5566-7788	24	2000-12-24	2	5
)12-0987-6543	19	2005-08-01	1	5
)90-9900-1234	24	2000-12-24	3	5

```
>)

> select * from department;
```

tmentName
3
3
3

```
>)

> select * from station;
```

ame

```
>)

> _
```