

## Interactive - 28 - 1 to n relationship (fk)

The simple to understand relationship is a 1 to 0..n relationship. This is where a parent key is a primary key and a foreign key is in a 2nd table. We have this relationship between "t\_ymux\_user"."id" and the "t\_ymux\_auth\_token".

The table "t\_ymux\_auth\_token" has "user\_id" as a column in it. A foreign key relationship exists between the 2 tables. This means that you can have more than 1 auth token for each user. Basically a user can login from more than one computer at a time.

```
SELECT setup_data_26();
```

```
SELECT t1.email, t2.id as "auth_token"
      FROM "t_ymux_user" as t1
         join "t_ymux_auth_token" as t2 on ( t1."id" = t2."user_id" )
;
```

You should get back 3 rows.

**Tags:** 1:n, "1:n relationship"

**Validate:** SQL-Select, "select 'PASS' as x"