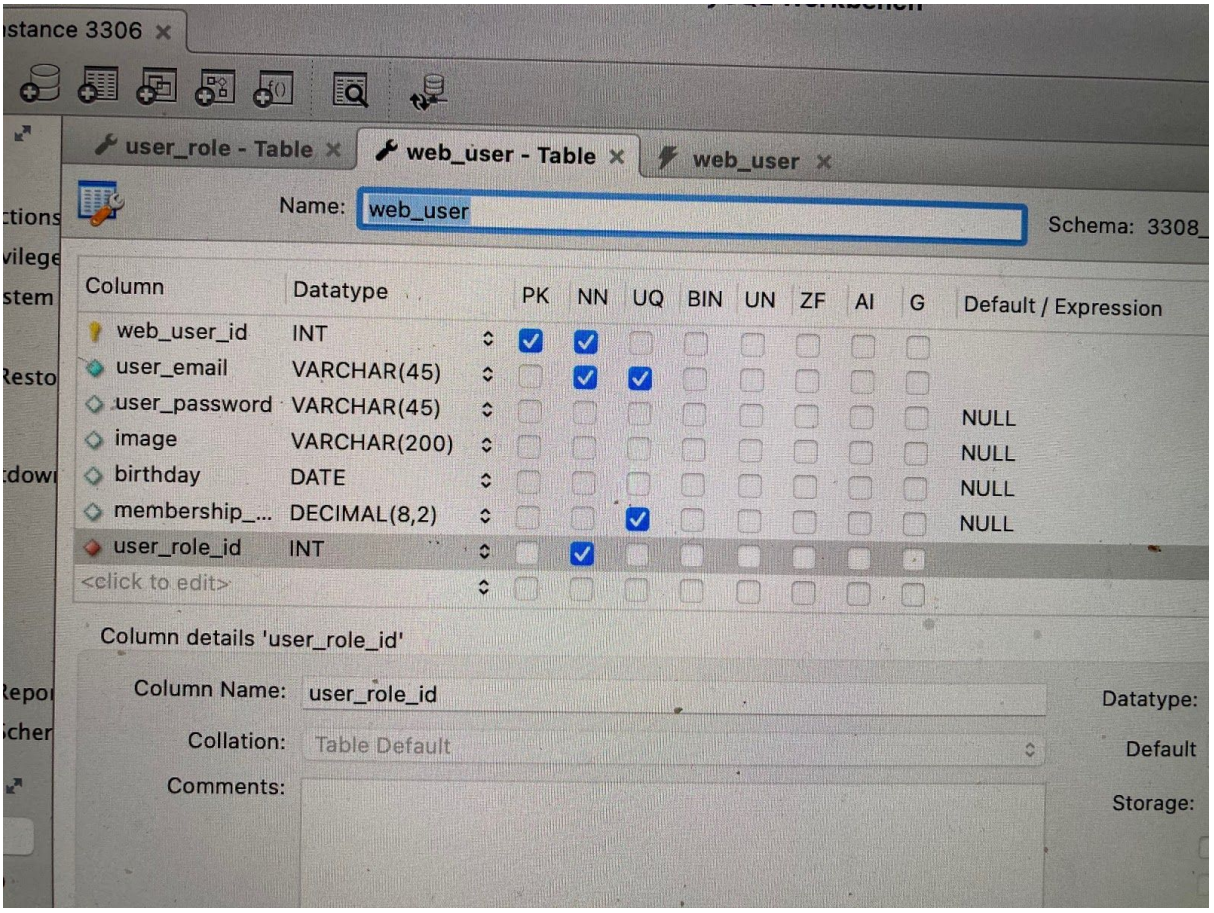
NAME: Yang Bo
WEB SITE: YB-Gunpla link:http://cis-linux2.temple.edu:8080/sp21_3308_tun27434/#/home

DATABASE:
Screenshot 1: table web_user
Screenshot 2: table user_role
Screenshot 3: all data from web_user
Screenshot 4: all data from user_role
Screenshot 5: Invalid FK from web_user to user_role
Screenshot 6: Duplicate user_role PK
Screenshot 7: error – cannot delete a referenced user_role record
Screenshot 8: SQL join statement



user_role - Table | web_user - Table | web_user

Name: user_role

Column	Datatype	PK	NN	UQ	BIN	UN	ZF	AI	G	Default
user_role_id	INT	✓	✓	✓						
user_role_type	VARCHAR(10)		✓	✓						
<click to edit>										

Column details 'user_role_id'

Column Name: user_role_id

Collation: Table Default

user_role - Table | web_user - Table | user_role | web_user | web

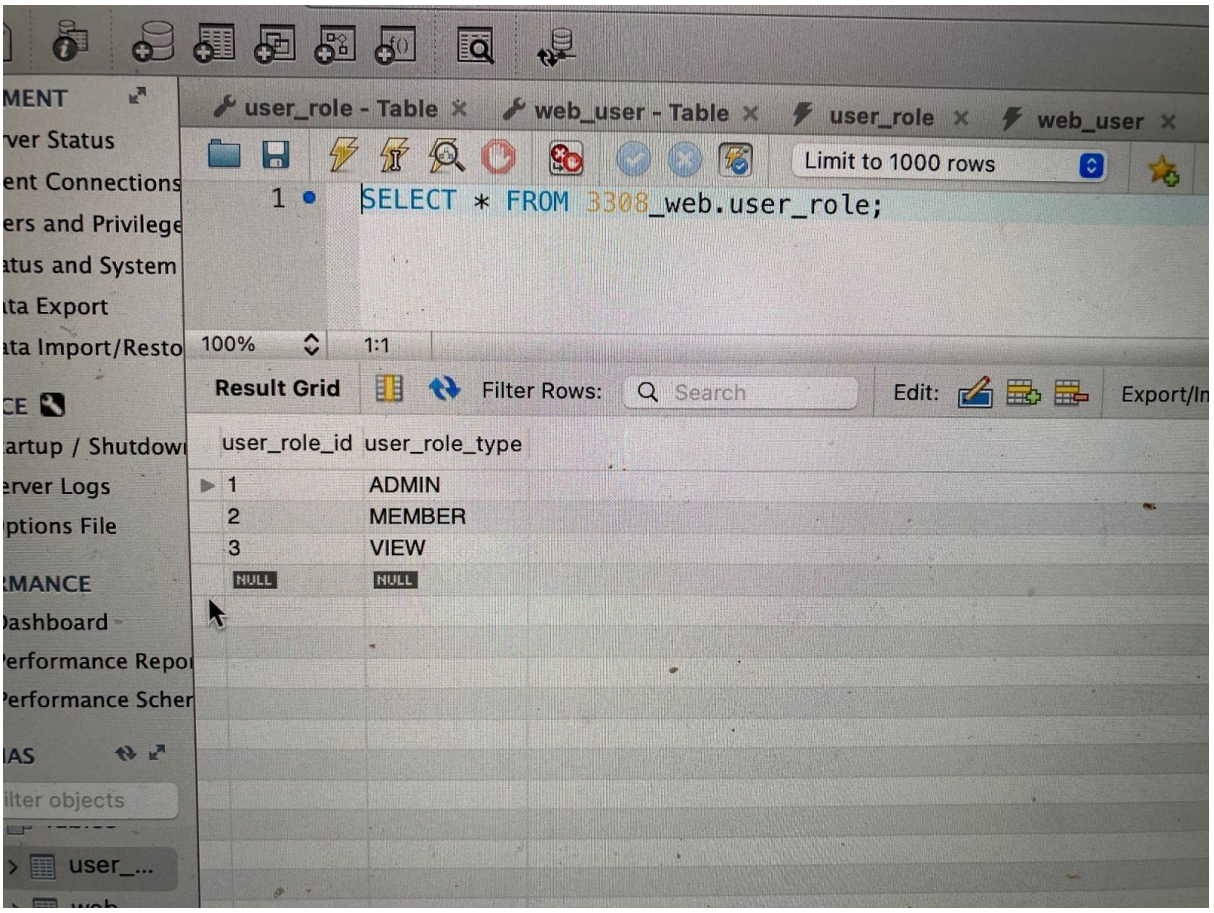
Limit to 1000 rows

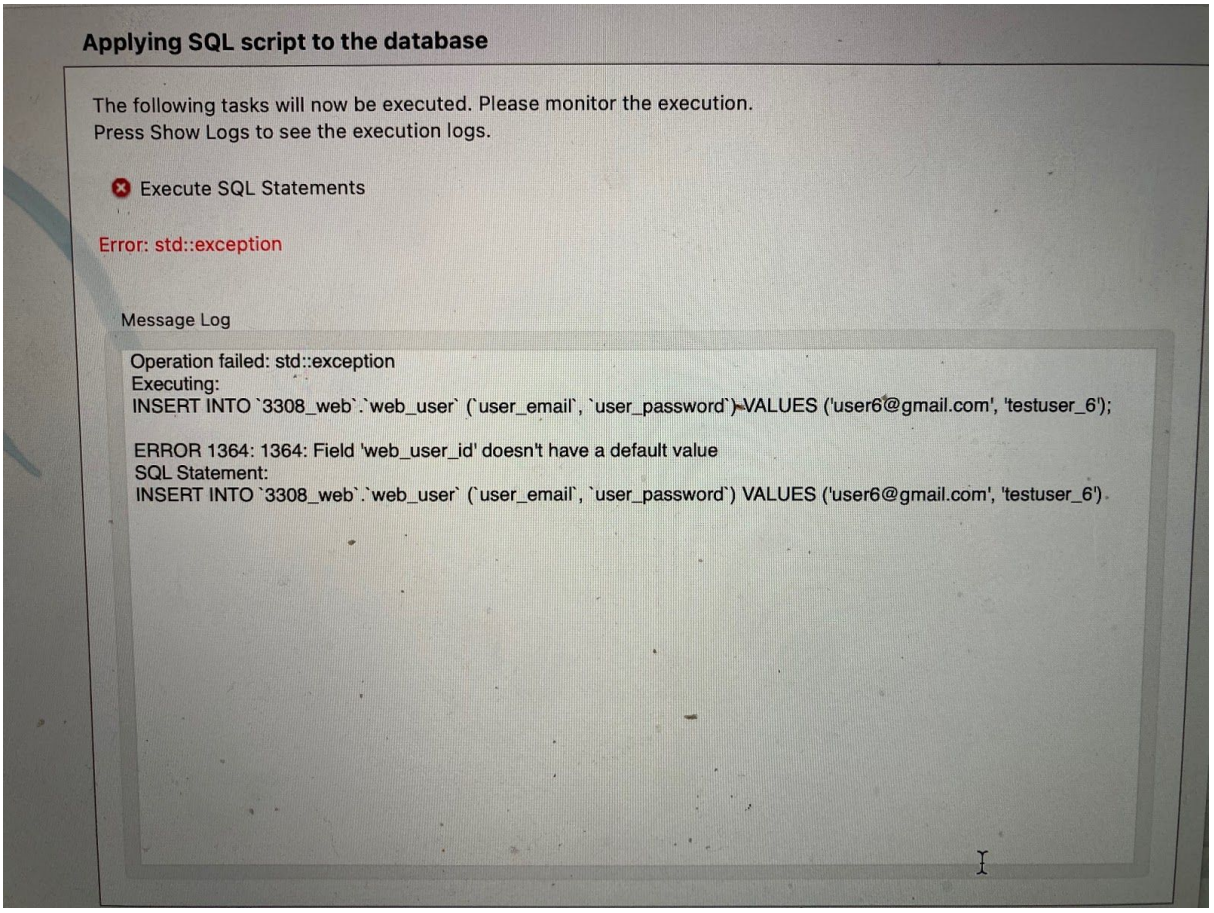
```
1 • SELECT * FROM 3308_web.web_user;
```

100% 1:1

Result Grid | Filter Rows: Search | Edit: | Export/Import:

web_user_id	user_email	user_password	image	birthday	membership_fee	user_role_id
1	user1@temple.edu	testuser_1	NULL	2000-01-01	NULL	1
2	user2@gmail.com	testuser_2	NULL	2005-01-01	NULL	2
3	user3@outlook.com	testuser_3	NULL	2020-01-02	1000.00	2
4	user4@temple.edu	testuser_4	NULL	2002-02-02	NULL	1
5	user5@gmail.com	testuser_5	NULL	NULL	1200.00	1
NULL	NULL	NULL	NULL	NULL	NULL	NULL


user_role - Table
web_user - Table
user_role
web_user
Limit to 1000 rows
SELECT * FROM 3308_web.user_role;
100%
1:1
Result Grid
Filter Rows:
Search
Edit:
user_role_id
user_role_type
1
ADMIN
2
MEMBER
3
VIEW
NULL
NULL


Applying SQL script to the database
The following tasks will now be executed. Please monitor the execution.
Press Show Logs to see the execution logs.
Execute SQL Statements
Error: std::exception
Message Log
Operation failed: std::exception
Executing:
INSERT INTO `3308_web`.`web_user` (`user_email`, `user_password`) VALUES ('user6@gmail.com', 'testuser_6');
ERROR 1364: 1364: Field 'web_user_id' doesn't have a default value
SQL Statement:
INSERT INTO `3308_web`.`web_user` (`user_email`, `user_password`) VALUES ('user6@gmail.com', 'testuser_6')

MySQL Workbench

Apply SQL Script to Database

Applying SQL script to the database

The following tasks will now be executed. Please monitor the execution.
Press Show Logs to see the execution logs.

Execute SQL Statements

Error: std::exception

Message Log

```
Operation failed: std::exception
Executing:
INSERT INTO `3308_web`.`web_user` (`web_user_id`, `user_email`, `user_password`, `user_role_id`) VALUES ('1',
'user5@gmail.com', '5', '1');

ERROR 1062: 1062: Duplicate entry '1' for key 'web_user.PRIMARY'
SQL Statement:
INSERT INTO `3308_web`.`web_user` (`web_user_id`, `user_email`, `user_password`, `user_role_id`) VALUES ('1',
'user5@gmail.com', '5', '1')
```

Query Database Server Tools Scripting Help

MySQL Workbench

Apply SQL Script to Database

Applying SQL script to the database

The following tasks will now be executed. Please monitor the execution.
Press Show Logs to see the execution logs.

Execute SQL Statements

Error: std::exception

Message Log

```
Operation failed: std::exception
Executing:
DELETE FROM `3308_web`.`user_role` WHERE `user_role_id`='1';

ERROR 1451: 1451: Cannot delete or update a parent row: a foreign key constraint fails (`3308_web`.`web_user`,
CONSTRAINT `web_user_ibfk_1` FOREIGN KEY (`user_role_id`) REFERENCES `user_role` (`user_role_id`))
SQL Statement:
DELETE FROM `3308_web`.`user_role` WHERE `user_role_id`='1'
```

tance 3306

user_role - Table | web_user - Table | user_role | web_user

Limit to 1000 rows

```
select user_email,user_role_type
from web_user inner join user_role
on web_user.user_role_id = user_role.user_role_id
order by user_role_type,user_email;
```

100% 35:5

Result Grid Filter Rows: Search Export:

user_email	user_role_type
user1@temple.edu	ADMIN
user4@temple.edu	ADMIN
user5@gmail.com	ADMIN
user2@gmail.com	MEMBER
user3@outlook.com	MEMBER

Homework part:

TABLE DESIGNS:

photo 1: other table(gunpla_post) design

photo 2: gunpla_post table FK

DATA ENTRY ERRORS

photo 3: Invalid web_user FK in “other” record

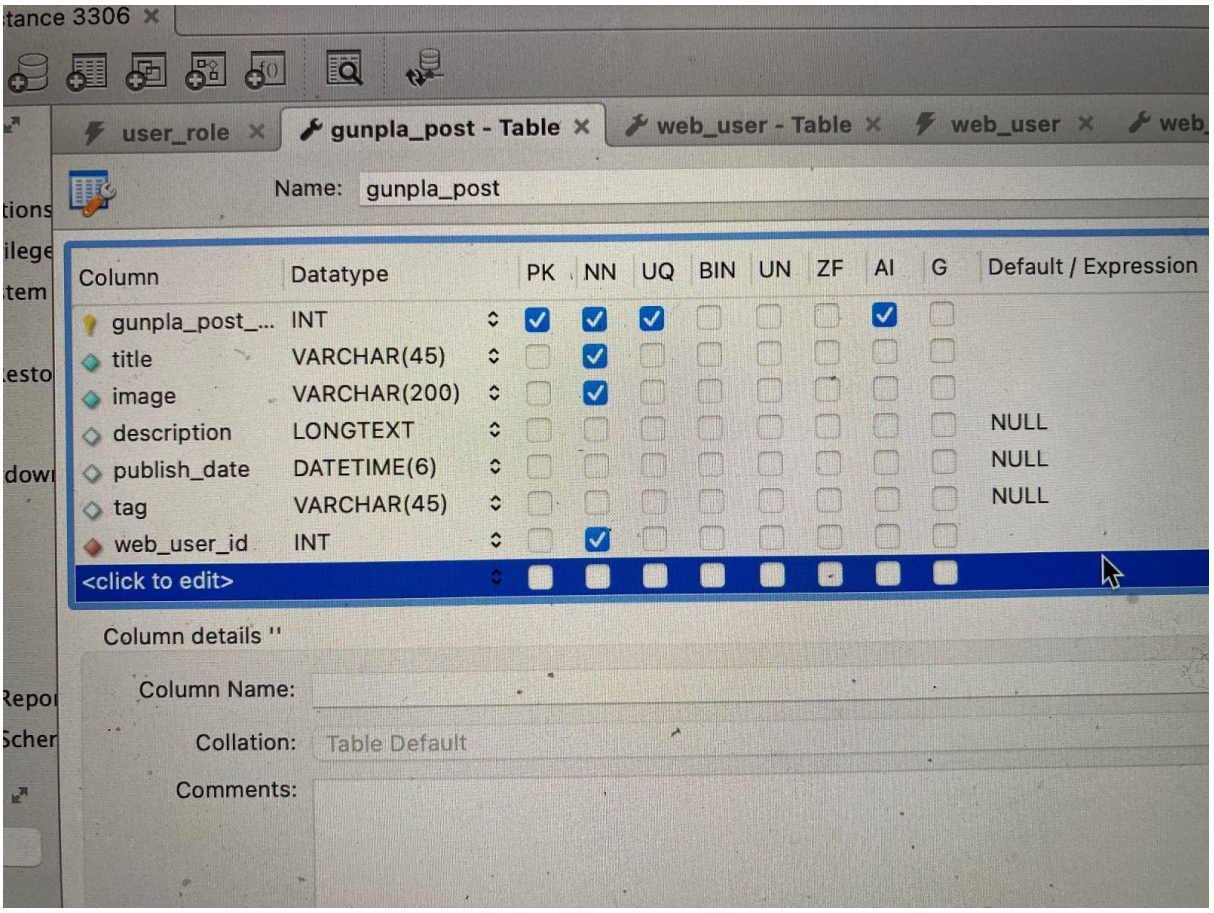
photo 4: error trying to delete a web_user record that’s referenced by an “other” record

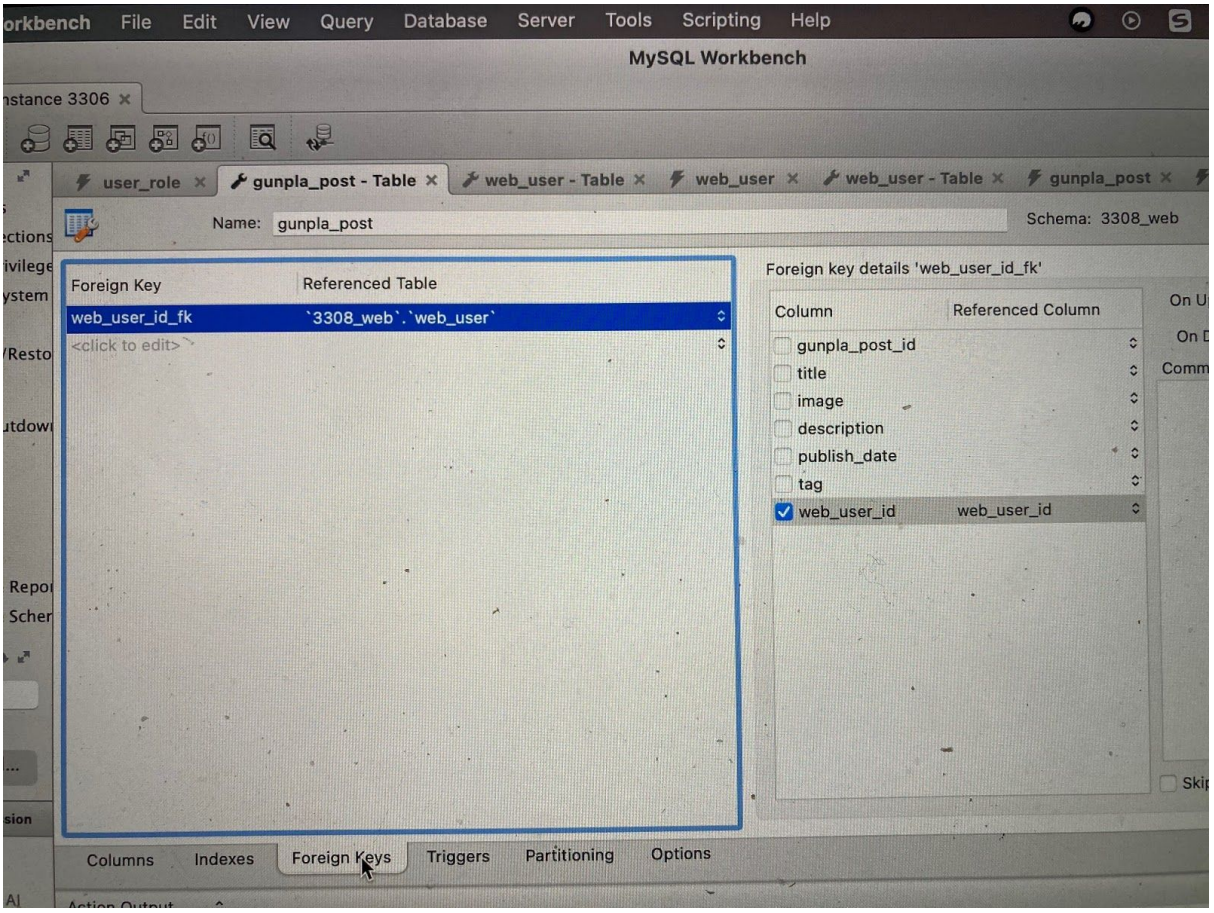
SELECT STATEMENTS

photo 5: all rows, all columns, sorted by the id of your “other” table.

photo 6: “OTHER” JOINED WITH WEB_USER all rows, certain columns, sorted.

photo 7: “OTHER” JOINED WITH WEB_USER some rows, certain columns, sorted


tance 3306
user_role
gunpla_post - Table
web_user - Table
web_user
Name: gunpla_post
Column
Datatype
PK
NN
UQ
BIN
UN
ZF
AI
G
Default / Expression
gunpla_post_...
INT
title
VARCHAR(45)
image
VARCHAR(200)
description
LONGTEXT
NULL
publish_date
DATETIME(6)
NULL
tag
VARCHAR(45)
NULL
web_user_id
INT
<click to edit>
Column details
Column Name:
Collation:
Table Default
Comments:


File
Edit
View
Query
Database
Server
Tools
Scripting
Help
MySQL Workbench
user_role
gunpla_post - Table
web_user - Table
web_user
web_user - Table
gunpla_post
Name: gunpla_post
Schema: 3308_web
Foreign Key
Referenced Table
web_user_id_fk
`3308_web`.`web_user`
<click to edit>
Foreign key details 'web_user_id_fk'
Column
Referenced Column
gunpla_post_id
title
image
description
publish_date
tag
web_user_id
web_user_id
Columns
Indexes
Foreign Keys
Triggers
Partitioning
Options

Applying SQL script to the database

The following tasks will now be executed. Please monitor the execution.
Press Show Logs to see the execution logs.

Execute SQL Statements

Error: std::exception

Message Log

```
Operation failed: std::exception
Executing:
UPDATE `3308_web`.`gunpla_post` SET `gunpla_post_id`='1', `web_user_id`='99' WHERE `gunpla_post_id`='11';

ERROR 1452: 1452: Cannot add or update a child row: a foreign key constraint fails (`3308_web`.`gunpla_post`,
CONSTRAINT `web_user_id_fk` FOREIGN KEY (`web_user_id`) REFERENCES `web_user` (`web_user_id`))
SQL Statement:
UPDATE `3308_web`.`gunpla_post` SET `gunpla_post_id`='1', `web_user_id`='99' WHERE `gunpla_post_id`='11'
```

pplying SQL script to the database

The following tasks will now be executed. Please monitor the execution.
Press Show Logs to see the execution logs.

Execute SQL Statements

Error: std::exception

Message Log

```
Operation failed: std::exception
Executing:
DELETE FROM `3308_web`.`web_user` WHERE `web_user_id`='1';

ERROR 1451: 1451: Cannot delete or update a parent row: a foreign key constraint fails (`3308_web`.`gunpla_post`,
CONSTRAINT `web_user_id_fk` FOREIGN KEY (`web_user_id`) REFERENCES `web_user` (`web_user_id`))
SQL Statement:
DELETE FROM `3308_web`.`web_user` WHERE `web_user_id`='1'
```

MySQL Workbench

tance 3306

user_role | gunpla_post - Table | web_user - Table | web_user | web_user - Table | gunpla_p

Limit to 1000 rows

```
1 • SELECT * FROM 3308_web.gunpla_post;
```

100% 1:1

Result Grid | Filter Rows: Search | Edit: | Export/Import:

gunpla_post_id	title	image	description	publish_date	tag	web_user_id
1	Freedom Gundam	.....	NULL	2020-01-01 00:00:00.000000	NULL	1
12	Justice Gundam	....	Red Color Gundam	2020-01-09 00:00:00.000000	Gundam Seed	1
14	Strike Gundam	.....	NULL	2020-09-09 00:00:00.000000	NULL	4
15	Spirit Wing Gundam	.....	NULL	2021-01-01 00:00:00.000000	Gundan W	2
16	RX78 Gundam	....	First Gundam	2015-09-01 00:00:00.000000	NULL	3
17	Barbatos	...	NULL	2020-12-12 00:00:00.000000	NULL	2
18	Exia Gundam	....	Popular Gundam	2019-11-11 00:00:00.000000	Gundam 00	1
19	00 Gundam	...	NULL	2017-01-01 00:00:00.000000	Gundam 00	3
22	Arios Gundam	....	NULL	2020-02-14 00:00:00.000000	NULL	1
23	Reborns Gundam	....	NULL	2018-01-05 00:00:00.000000	NULL	3
NULL	NULL	NULL	NULL	NULL	NULL	NULL

MySQL Workbench

local instance 3306

user_role | gunpla_post - Table | web_user - Table | web_user | web_user - Table

Limit to 1000 rows

```
use 3308_web;
select gunpla_post.description,web_user.user_email
from gunpla_post inner join web_user
on gunpla_post.web_user_id = web_user.web_user_id;
```

100% 51:4

Result Grid | Filter Rows: Search | Export:

description	user_email
NULL	user1@temple.edu
Red Color Gundam	user1@temple.edu
Popular Gundam	user1@temple.edu
NULL	user1@temple.edu
NULL	user2@gmail.com
NULL	user2@gmail.com
First Gundam	user3@outlook.com
NULL	user3@outlook.com
NULL	user3@outlook.com
NULL	user4@temple.edu

Result 2

user_role | gunpla_post - Table | web_user - Table | web_user | web_

Limit to 1000 rows

```
select gunpla_post.description,web_user.user_email
from gunpla_post inner join web_user
on gunpla_post.web_user_id = web_user.web_user_id
where gunpla_post.web_user_id = 1;
```

100% 7:5

Result Grid | Filter Rows: Search | Export:

description	user_email
NULL	user1@temple.edu
Red Color Gundam	user1@temple.edu
Popular Gundam	user1@temple.edu
NULL	user1@temple.edu