

1. Daniel Eap
2. [https://cis-linux2.temple.edu/tomcat/fa23\\_3308\\_tuk31354/index\\_1.html](https://cis-linux2.temple.edu/tomcat/fa23_3308_tuk31354/index_1.html)
3. user\_role TABLE DESIGN

Column	Datatype	PK	NN	UQ	B...	UN	ZF	AI	G	Default / Expression
user_role_id	INT(11)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
user_role_type	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<click to edit>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

#### 4. web\_user TABLE DESIGN and FOREIGN KEY

Name: web_user Schema: fa23_3308_tuk31354										
Column	Datatype	PK	NN	UQ	B...	UN	ZF	AI	G	Default / Expression
web_user_id	INT(11)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
user_email	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
user_password	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
image	VARCHAR(100)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
membership_...	DECIMAL(8,2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
birthday	DATE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
user_role_id	INT(11)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<click to edit>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

```
1 alter table web_user add foreign key (user_role_id) references user_role (user_role_id);
```

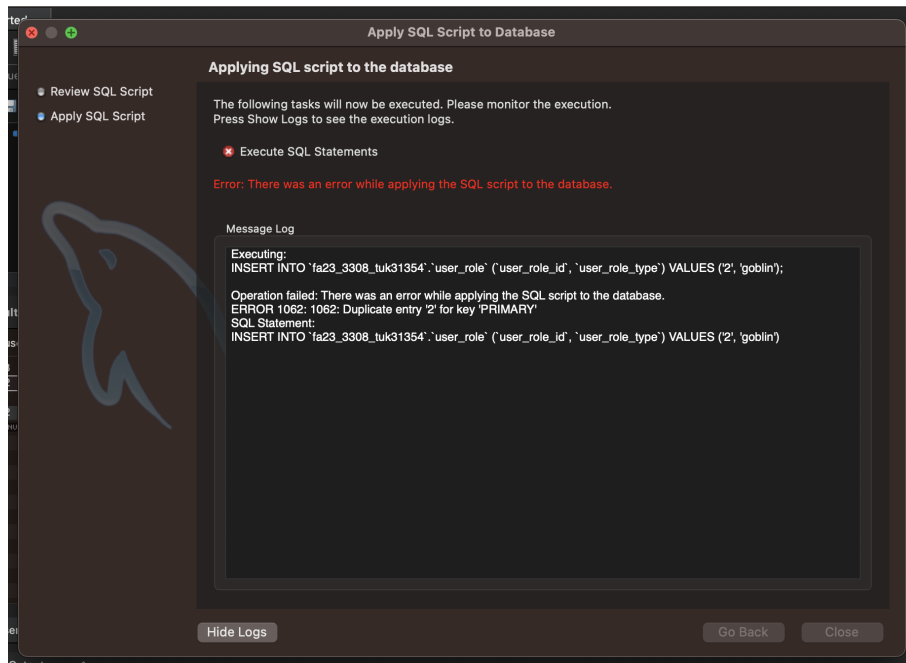
100% 89:1

Action Output

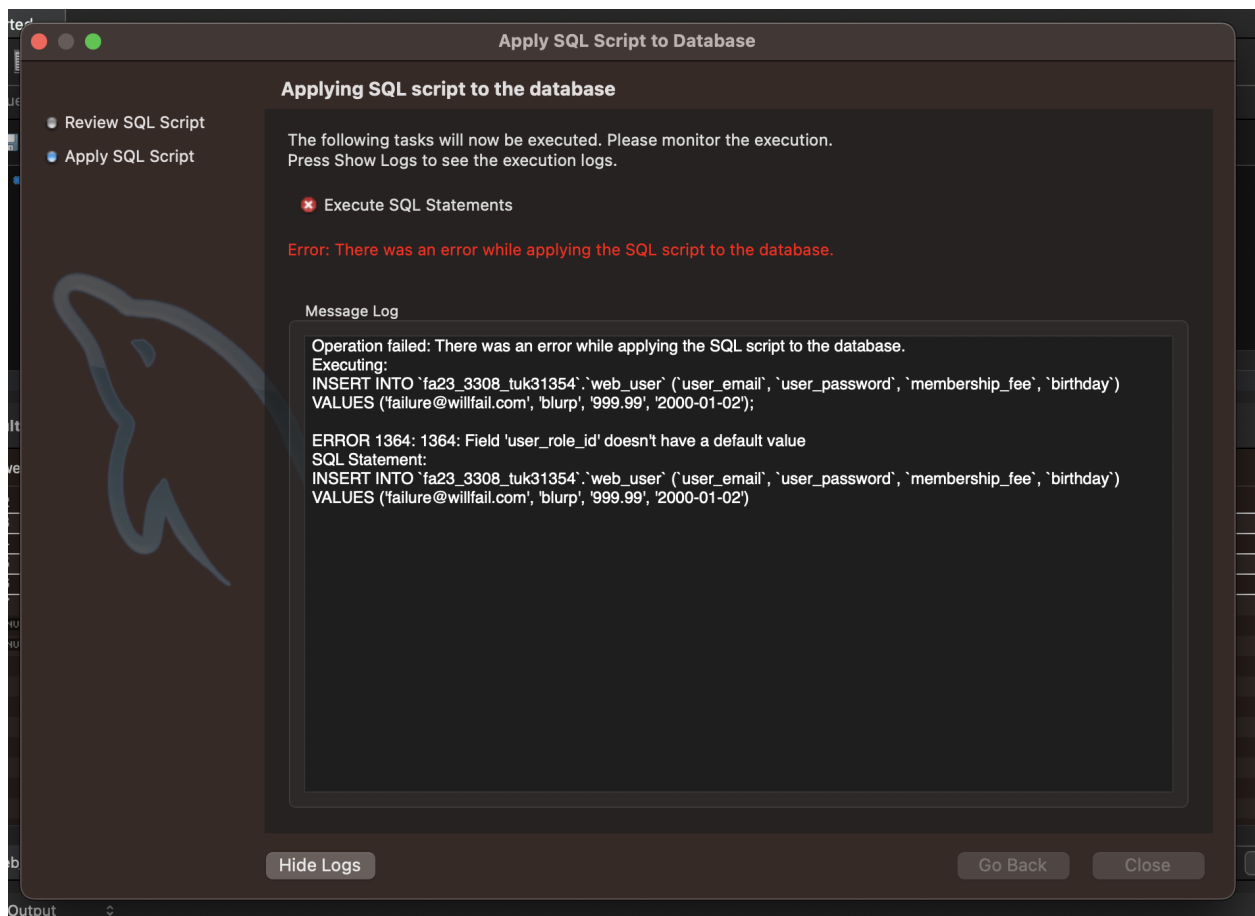
	Time	Action	Response	Duration / Fetch Time
3	16:14:20	alter table web_user add foreign key (user_role_id) references user_role (user_role_id)	0 row(s) affected Records: 0 Duplicates: 0 Warning...	0.397 sec

#### 5. DATA ENTRY ERRORS

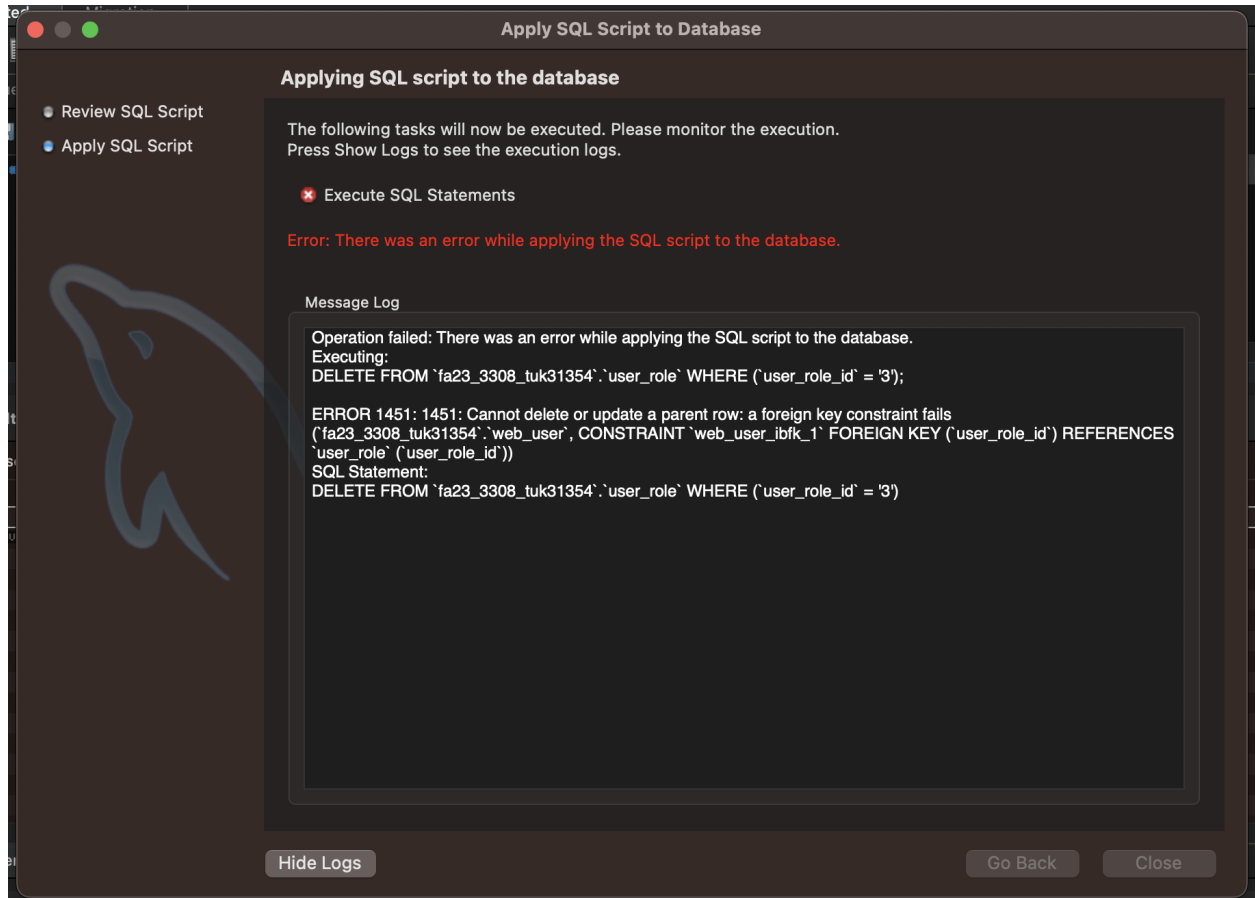
- a) Error: Duplicate user\_role PK



b) Error: Invalid user\_role FK in web\_user record

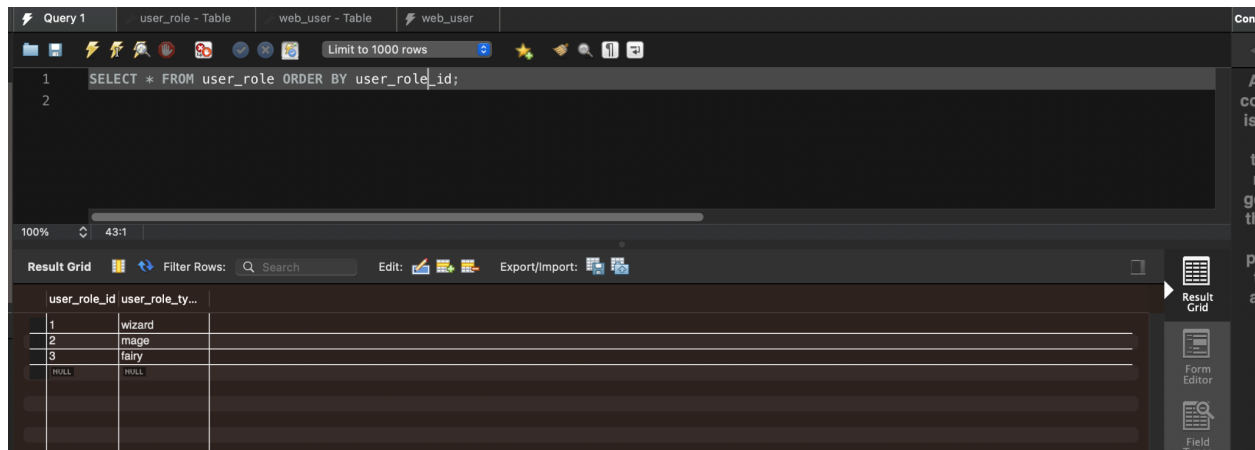


c) Error: Cannot delete a user\_role record that's referenced by a web\_user record

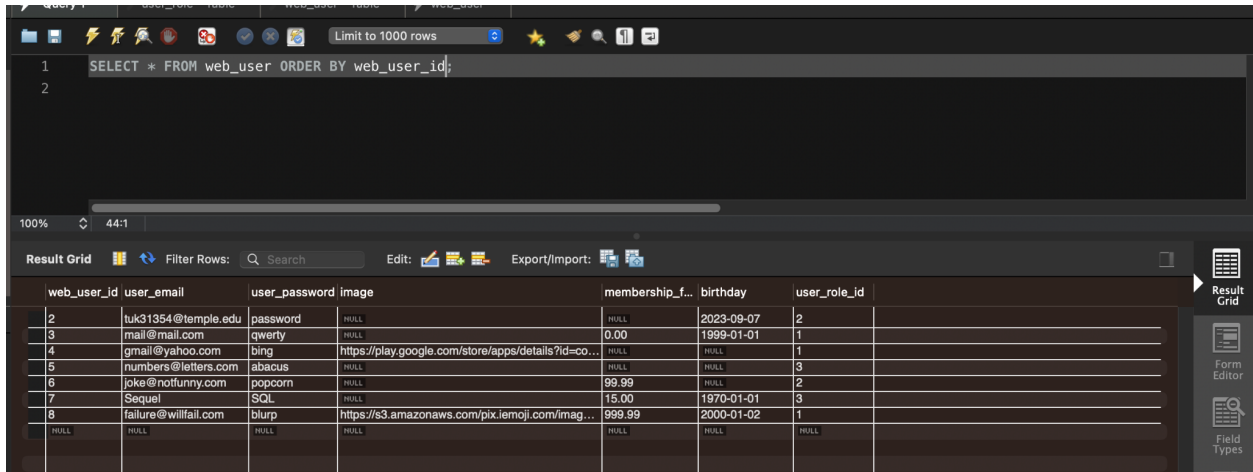


## 6. SELECT STATEMENTS

a) USER\_ROLE: all rows, all columns, sorted by user\_role\_id.



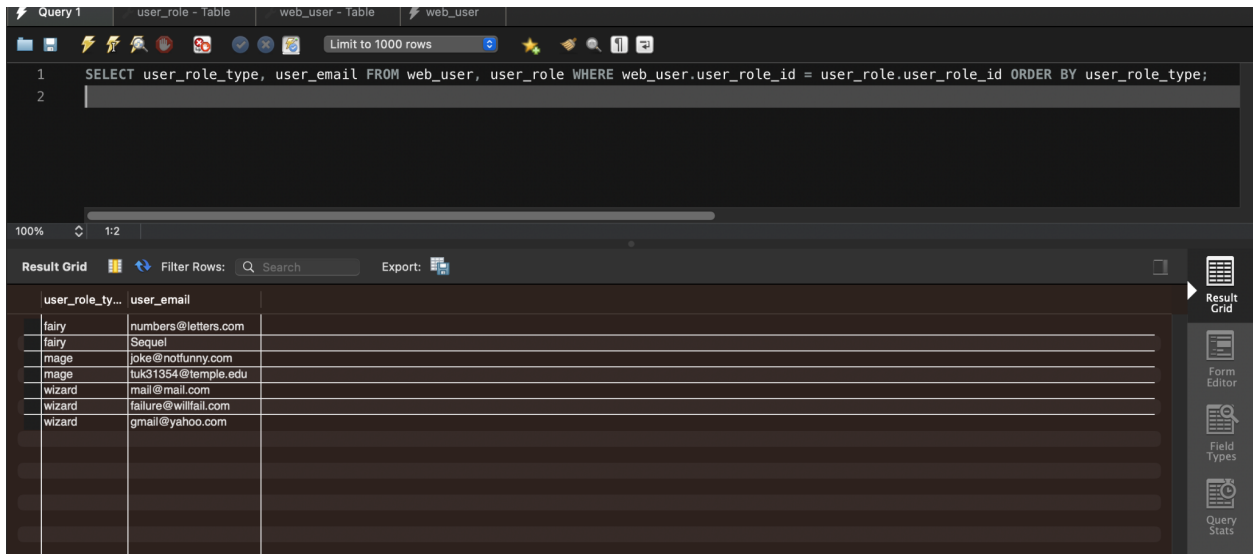
b) WEB\_USER: all rows, all columns, sorted by web\_user\_id.



```
1 SELECT * FROM web_user ORDER BY web_user_id;
```

web_user_id	user_email	user_password	image	membership_f...	birthday	user_role_id
2	tuk31354@temple.edu	password	NULL	NULL	2023-09-07	2
3	mail@mail.com	qwerty	NULL	0.00	1999-01-01	1
4	gmail@yahoo.com	bing	https://play.google.com/store/apps/details?id=co...	NULL	NULL	1
5	numbers@letters.com	abacus	NULL	NULL	NULL	3
6	joke@notfunny.com	popcorn	NULL	99.99	NULL	2
7	Sequel	SQL	NULL	15.00	1970-01-01	3
8	failure@willfail.com	blurp	https://s3.amazonaws.com/pix.emoji.com/imag...	999.99	2000-01-02	1
NULL	NULL	NULL	NULL	NULL	NULL	NULL

c) WEB\_USER JOINED WITH USER\_ROLE: all rows, certain columns, sorted.



```
1 SELECT user_role_type, user_email FROM web_user, user_role WHERE web_user.user_role_id = user_role.user_role_id ORDER BY user_role_type;
```

user_role_ty...	user_email
fairy	numbers@letters.com
fairy	Sequel
mage	joke@notfunny.com
mage	tuk31354@temple.edu
wizard	mail@mail.com
wizard	failure@willfail.com
wizard	gmail@yahoo.com