

1. Gabriel Lantigua.
2. https://cis-linux2.temple.edu/tomcat10/sp24_3308_tus29612/index.html
3. user_role TABLE DESIGN

Table Name: Schema: **sp24_3308_tus29612**

Column Name	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 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	'default role'

4. web_user TABLE DESIGN and FOREIGN KEY

Table Name: Schema: **sp24_3308_tus29612**

Charset/Collation: Engine: **InnoDB**

Comments:

Column Name	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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
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"/>	
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
membership_fee	DECIMAL(10,0)	<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_image	VARCHAR(500)	<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"/>	

1 19:55:48 alter table web_user add foreign key (user_role_id) references user_role (user_role_id)

5. "OTHER" TABLE DESIGN and FOREIGN KEY

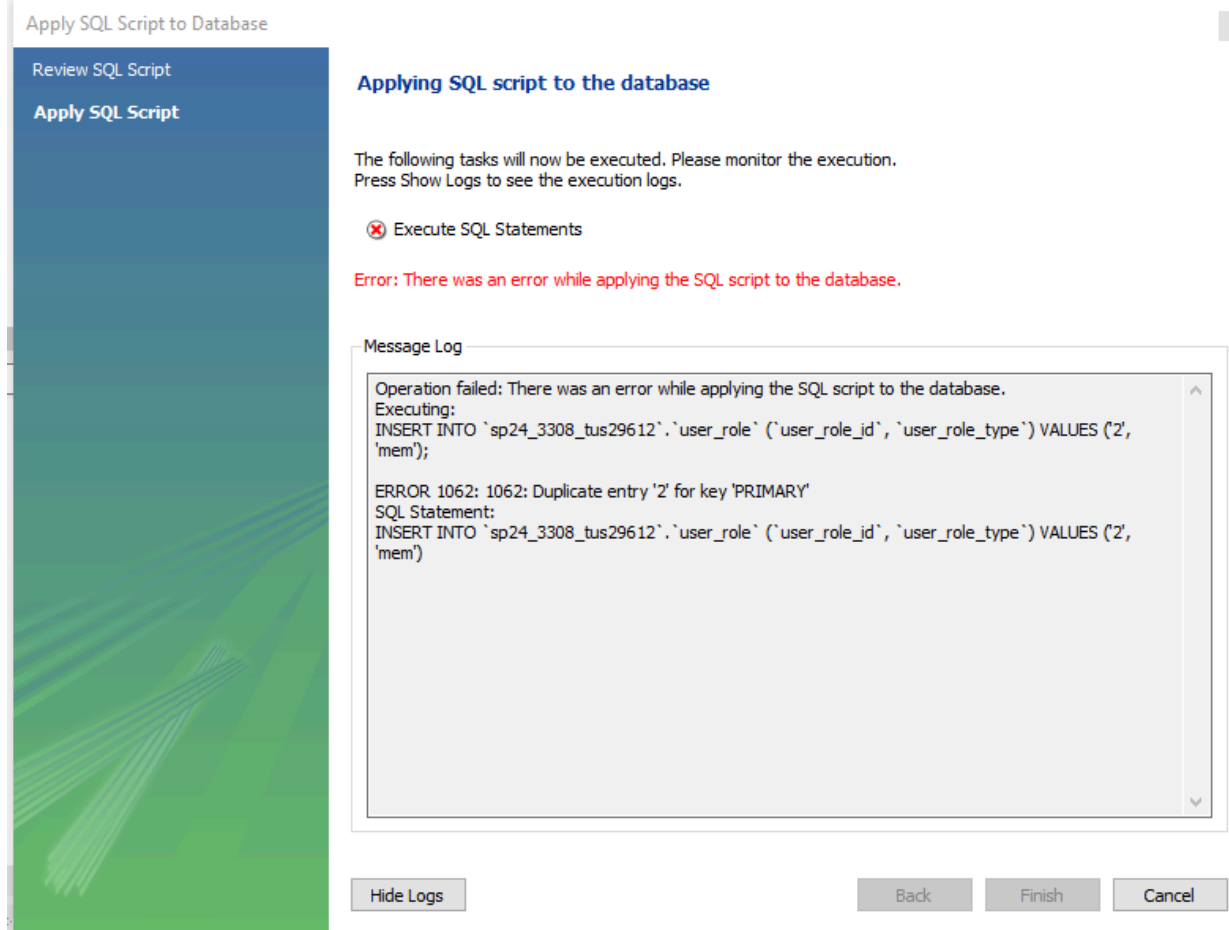
Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G
world_id	INT(11)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
world_name	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"/>
world_description	VARCHAR(5000)	<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"/>
world_icon	VARCHAR(500)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
world_magic_system	VARCHAR(45)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
world_entered_or_updated	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"/>
world_donations	DECIMAL(10,0)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
world_inspiration	VARCHAR(45)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
world_magic_level_out_of_10	INT(11)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
web_user_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"/>

Action Output

#	Time	Action	Message	Duration / Fetch
1	18:19:42	alter table world_table add foreign key (web_user_id) references web_user (web_user_id)	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.187 sec

6. DATA ENTRY ERRORS

a. Error: Duplicate user_role PK



b. Error: Invalid user_role FK in web_user record


Apply SQL Script to Database

Review SQL Script

Apply SQL Script

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: There was an error while applying the SQL script to the database.

Message Log

Operation failed: There was an error while applying the SQL script to the database.
Executing:
INSERT INTO `sp24_3308_tus29612`.`web_user` (`web_user_id`, `user_email`, `user_password`, `birthday`, `user_role_id`) VALUES ('28', 'english@mail.com', 'somepass12', '1990-01-01', '4');

ERROR 1062: 1062: Duplicate entry 'english@mail.com' for key 'user_email_UNIQUE'
SQL Statement:
INSERT INTO `sp24_3308_tus29612`.`web_user` (`web_user_id`, `user_email`, `user_password`, `birthday`, `user_role_id`) VALUES ('28', 'english@mail.com', 'somepass12', '1990-01-01', '4')

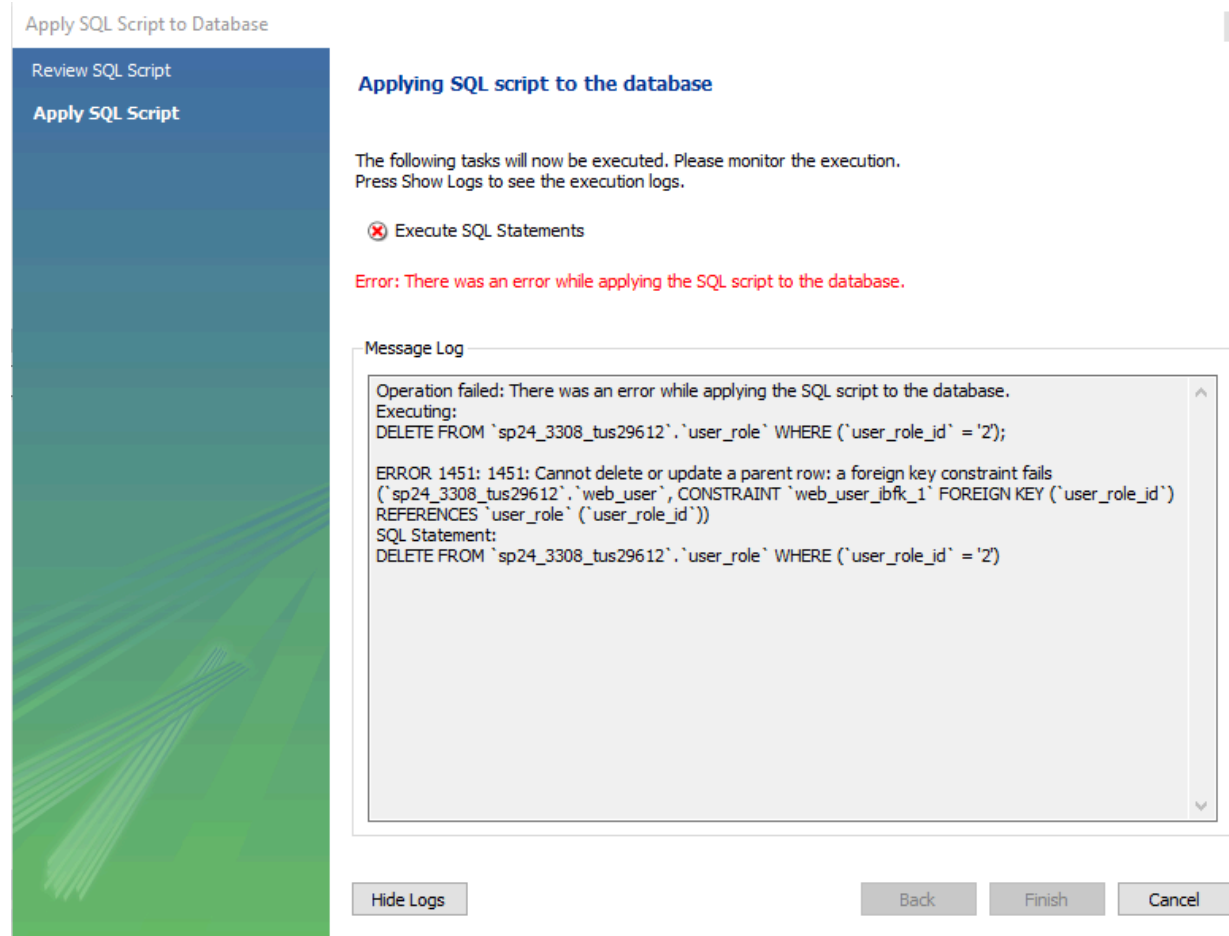
Hide Logs

Back

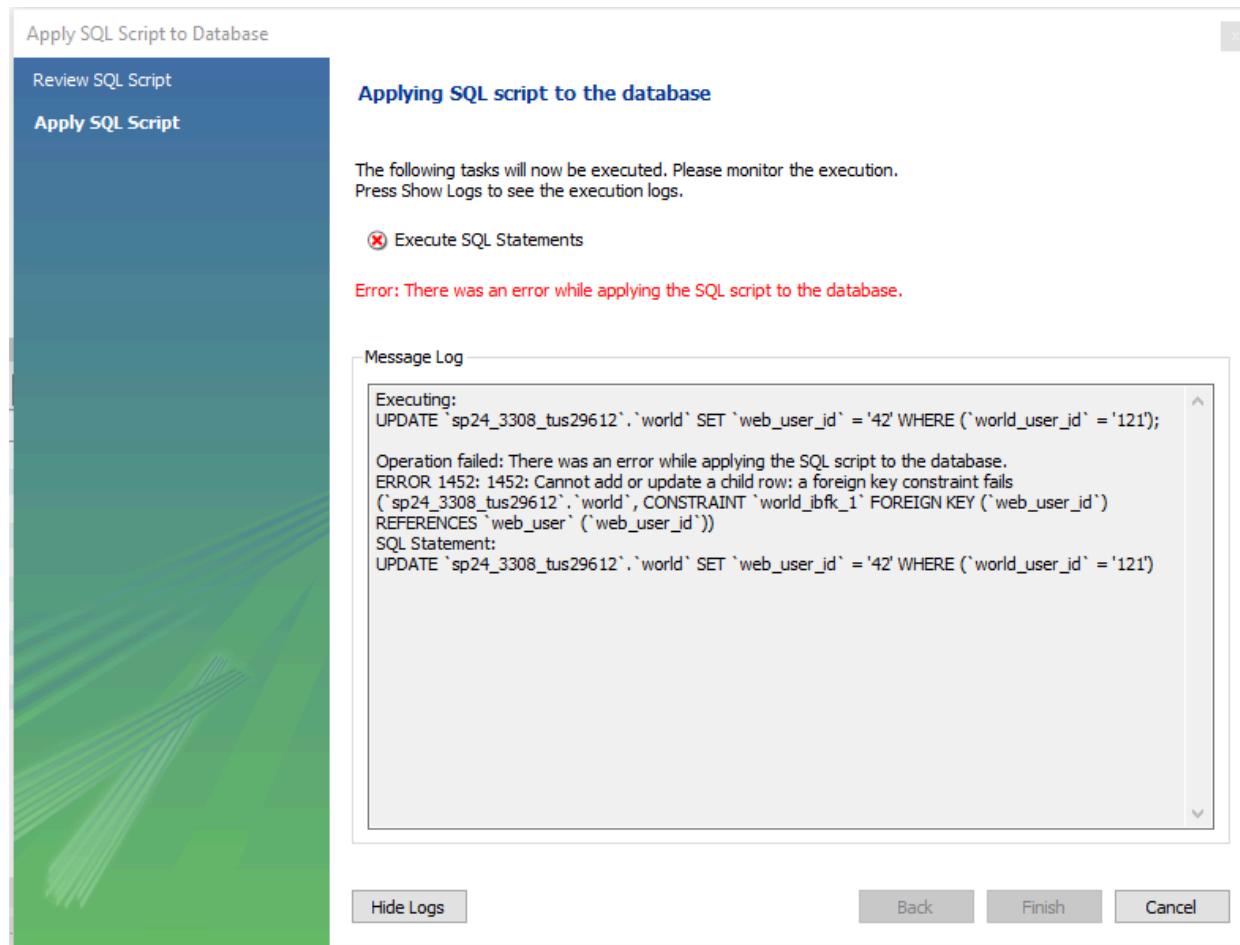
Finish

Cancel

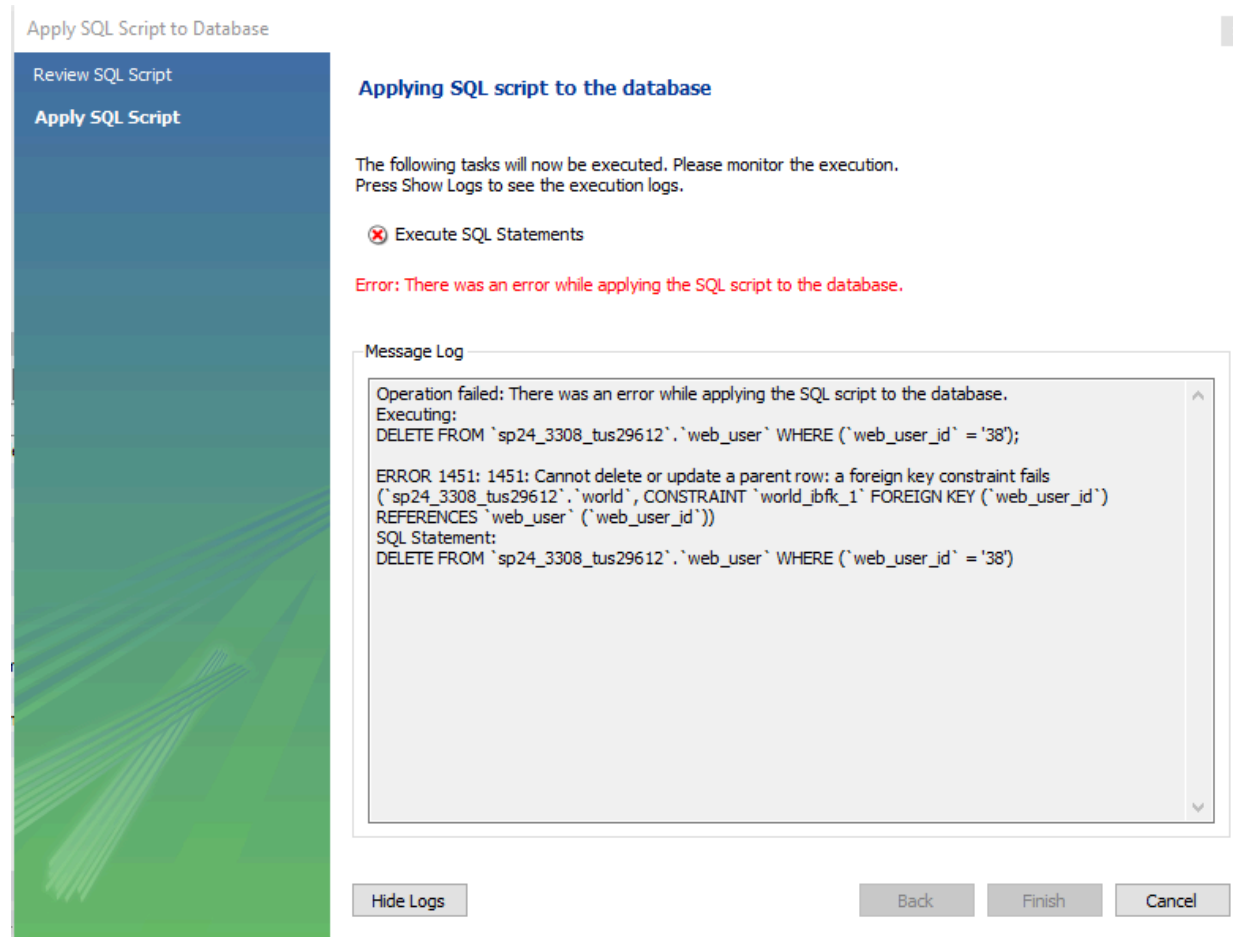
- c. Error: Cannot delete a user_role record that's referenced by a web_user record



d. Invalid web_user FK in "other" record



- e. Error trying to delete a web_user record that's referenced by an "other" record



7. Select

- a. USER_ROLE: all rows, all columns, sorted by user_role_id.

Limit to 1000 rows

```
1 • SELECT * FROM user_role
2   order by user_role_id;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: [IA](#)

	user_role_id	user_role_type
▶	1	admin
	2	member
	3	view
*	NULL	NULL

user_role 3 x

Output

Action Output

#	Time	Action	Message
▶ 1	20:57:42	SELECT * FROM user_role order by user_role_id LIMIT 0, 1000	3 row(s) returned

b. WEB_USER: all rows, all columns, sorted by web_user_id.

Query 1 user_role web_user x

Limit to 1000 rows

```
1 • SELECT * FROM web_user
2   order by web_user_id;
```

Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content:

	web_user_id	user_email	user_password	birthday	membership_fee	user_image	user_role_id
▶	2	tus29612@temple.edu	somepass1	1998-09-23	12	NULL	1
	29	apple@mail.com	somepass2	1990-01-01	13	NULL	2
	30	box@mail.com	somepass3	1990-01-01	12	NULL	2
	31	cat@mail.com	somepass4	1990-01-01	12	NULL	2
	32	dog@mail.com	somepass5	1990-01-01	12	NULL	2
	33	eagle@mail.com	somepass6	1990-01-01	12	NULL	2
	34	food@mail.com	somepass7	1990-01-01	12	NULL	3
	35	globe@mail.com	somepass8	1990-01-01	12	NULL	3
	36	orange@mail.com	somepass9	1990-01-01	NULL	NULL	2
	37	staple@mail.com	somepass10	1990-01-01	NULL	NULL	2
	38	pop@mail.com	somepass11	1990-01-01	NULL	NULL	2
	39	english@mail.com	somepass12	1990-01-01	NULL	NULL	2
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

web_user 2 x

Output

Action Output

#	Time	Action	Message
✓ 1	20:58:59	SELECT * FROM web_user order by web_user_id LIMIT 0, 1000	12 row(s) returned

c. WEB_USER JOINED WITH USER_ROLE: all rows, certain columns, sorted.

Query 1 user_role web_user x

Limit to 1000 rows

```
1 • SELECT user_role_type, user_email
2 FROM web_user, user_role
3 where web_user.user_role_id = user_role.user_role_id
4 order by web_user_id;
5
```

Result Grid

	user_role_type	user_email
▶	admin	tus29612@temple.edu
	member	apple@mail.com
	member	box@mail.com
	member	cat@mail.com
	member	dog@mail.com
	member	eagle@mail.com
	view	food@mail.com
	view	globe@mail.com
	member	orange@mail.com
	member	staple@mail.com
	member	pop@mail.com
	member	english@mail.com

Result 4 x

Output

Action Output

#	Time	Action	Message
✓ 1	21:05:14	SELECT user_role_type, user_email FROM web_user, user_role where web_user.user_role_id = user_role.user_role_id order by web_user_id ...	12 row(s) returned

d. ?

e. ?

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

1 • `SELECT * FROM world order by world_user_id;`

world_user_id	world_name	world_description	world_icon	world_magic_system	world_entered_or_updated	world_user_donation	world_inspiration	world_magic_level_out_of_10	web_user_id
111	Witunkles	In the vibrant realm of Witunkles, magic dances...	https://icons.iconarchive.com/icons/paomedia/s...	Sympathetic Magic	2024-02-04	0	dnd	5	39
112	Quekinsea	In the mystical expanse of Quekinsea, the land ...		Aetherial Weaving		2	Story Books	10	29
113	Phoangtum	In the realm of Phoangtum, magic flows like a ri...		Luminarism		100	J. R. R. Tolkien	5	30
114	Anglosand	Welcome to Anglosand, a fantastical world whe...		Gaia's Grace		25	movies	1	31
115	Fropoake	Welcome to Fropoake, a realm of swirling mists ...		Sorcery		10	Dungeons and Dragons	10	32
116	Yami no Seirei	Welcome to the twisted realm of Yami no Seirei,...		Shadowbinding		0	anime	10	33
117	Elddeaout	In the sprawling expanse of Elddeaout, where t...		Flux		5	D&D	6	34
118	Anguniest	Anguniest is a low fantasy world characterized ...		Etheric Resonance		5	Tolkien	4	35
119	Eldpoirse	Eldpoirse is a mid fantasy world characterized b...		Dreamweaving		10	video games	8	36
121	Bonk Ville	Good go burr Evil get bonk		example					38

world 4 ×

Output

Action Output

Time Action Message

1 21:17:55 SELECT * FROM world order by world_user_id LIMIT 0, 1000 10 row(s) returned

Duration / Fetch 0.015 sec / 0.000 sec

g. “OTHER” JOINED WITH WEB_USER all rows, certain columns, sorted.

1 • `SELECT world_user_id, world_name, world_description, world.web_user_id, user_email, user_password, birthday, membership_fee, user_image, user_role_id`
 2 `FROM world JOIN web_user on world.web_user_id = web_user.web_user_id;`

world_user_id	world_name	world_description	web_user_id	user_email	user_password	birthday	membership_fee	user_image	user_role_id
111	Witunkles	In the vibrant realm of Witunkles, magic dances...	39	english@mail.com	somepass12	1990-01-01			2
112	Quekinsea	In the mystical expanse of Quekinsea, the land ...	29	apple@mail.com	somepass2	1990-01-01	13		2
113	Phoangtum	In the realm of Phoangtum, magic flows like a ri...	30	box@mail.com	somepass3	1990-01-01	12		2
114	Anglosand	Welcome to Anglosand, a fantastical world whe...	31	cat@mail.com	somepass4	1990-01-01	12		2
115	Fropoake	Welcome to Fropoake, a realm of swirling mists ...	32	dog@mail.com	somepass5	1990-01-01	12		2
116	Yami no Seirei	Welcome to the twisted realm of Yami no Seirei,...	33	eagle@mail.com	somepass6	1990-01-01	12		2
117	Elddeaout	In the sprawling expanse of Elddeaout, where t...	34	food@mail.com	somepass7	1990-01-01	12		3
118	Anguniest	Anguniest is a low fantasy world characterized ...	35	globe@mail.com	somepass8	1990-01-01	12		3
119	Eldpoirse	Eldpoirse is a mid fantasy world characterized b...	36	orange@mail.com	somepass9	1990-01-01			2
121	Bonk Ville	Good go burr Evil get bonk	38	pop@mail.com	somepass11	1990-01-01			2

h. “OTHER” JOINED WITH WEB_USER some rows, certain columns, sorted.

```
1 • SELECT world_user_id, world_name, world_description, world.web_user_id, user_email, user_password, birthday, membership_fee, user_image, user_role_id
2 FROM world JOIN web_user on world.web_user_id = web_user.web_user_id where world_user_donation >9;
```

	world_user_id	world_name	world_description	web_user_id	user_email	user_password	birthday	membership_fee	user_image	user_role_id
▶	113	Phoangtum	In the realm of Phoangtum, magic flows like a ri...	30	box@mail.com	somepass3	1990-01-01	12	NULL	2
	114	Anglosand	Welcome to Anglosand, a fantastical world whe...	31	cat@mail.com	somepass4	1990-01-01	12	NULL	2
	115	Fropoiake	Welcome to Fropoiake, a realm of swirling mists ...	32	dog@mail.com	somepass5	1990-01-01	12	NULL	2
	119	Eldpoirse	Eldpoirse is a mid fantasy world characterized b...	36	orange@mail.com	somepass9	1990-01-01	NULL	NULL	2

Result 7 x

Output

Action Output

#	Time	Action	Message
✓ 1	21:24:54	SELECT world_user_id, world_name, world_description, world.web_user_id, user_email, user_password, birthday, membership_fee, user...	4 row(s) returned