Edward Keegan

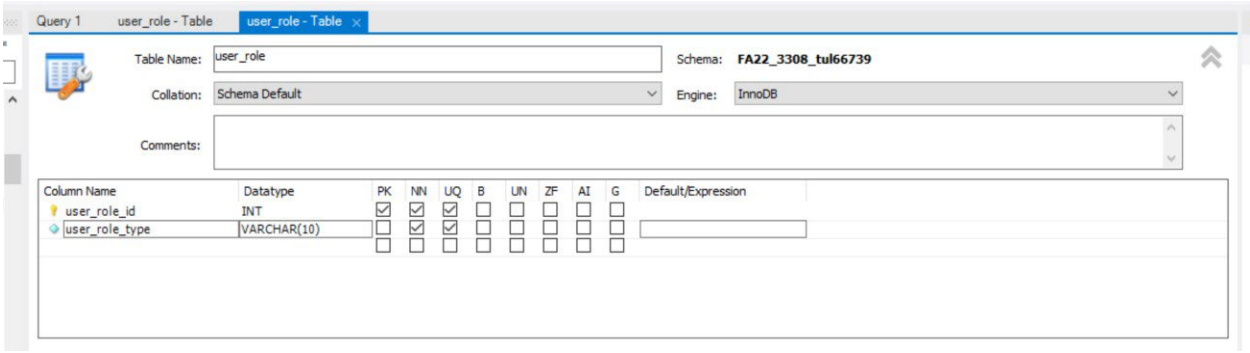
Web Apps Lab04

9/16/22

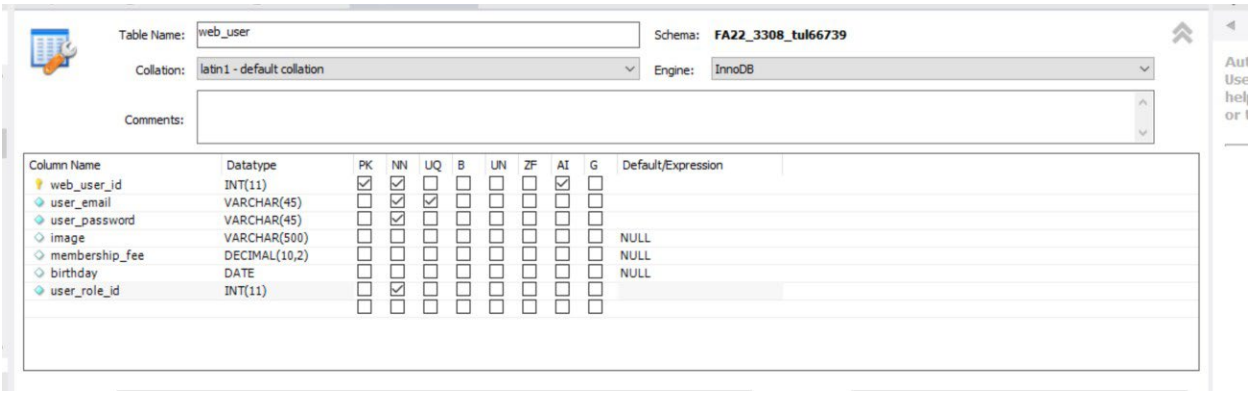
1. Edward Keegan

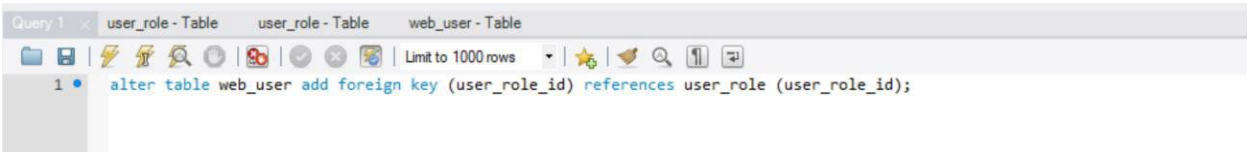
2. http://cis-linux2.temple.edu:8080/FA22_3308_tul66739/

3. user_role TABLE DESIGN

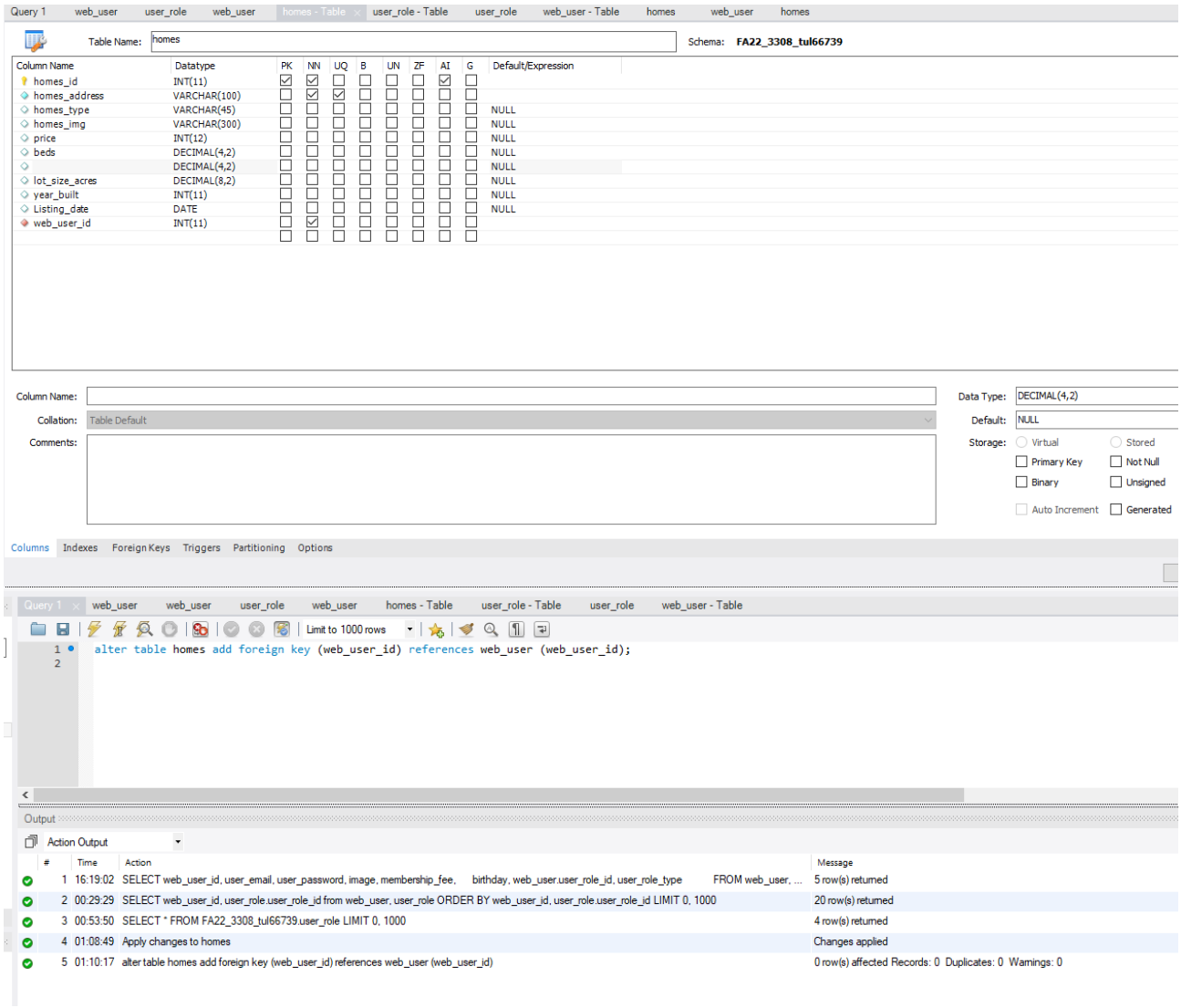


4. web_user TABLE DESIGN and FOREIGN KEY



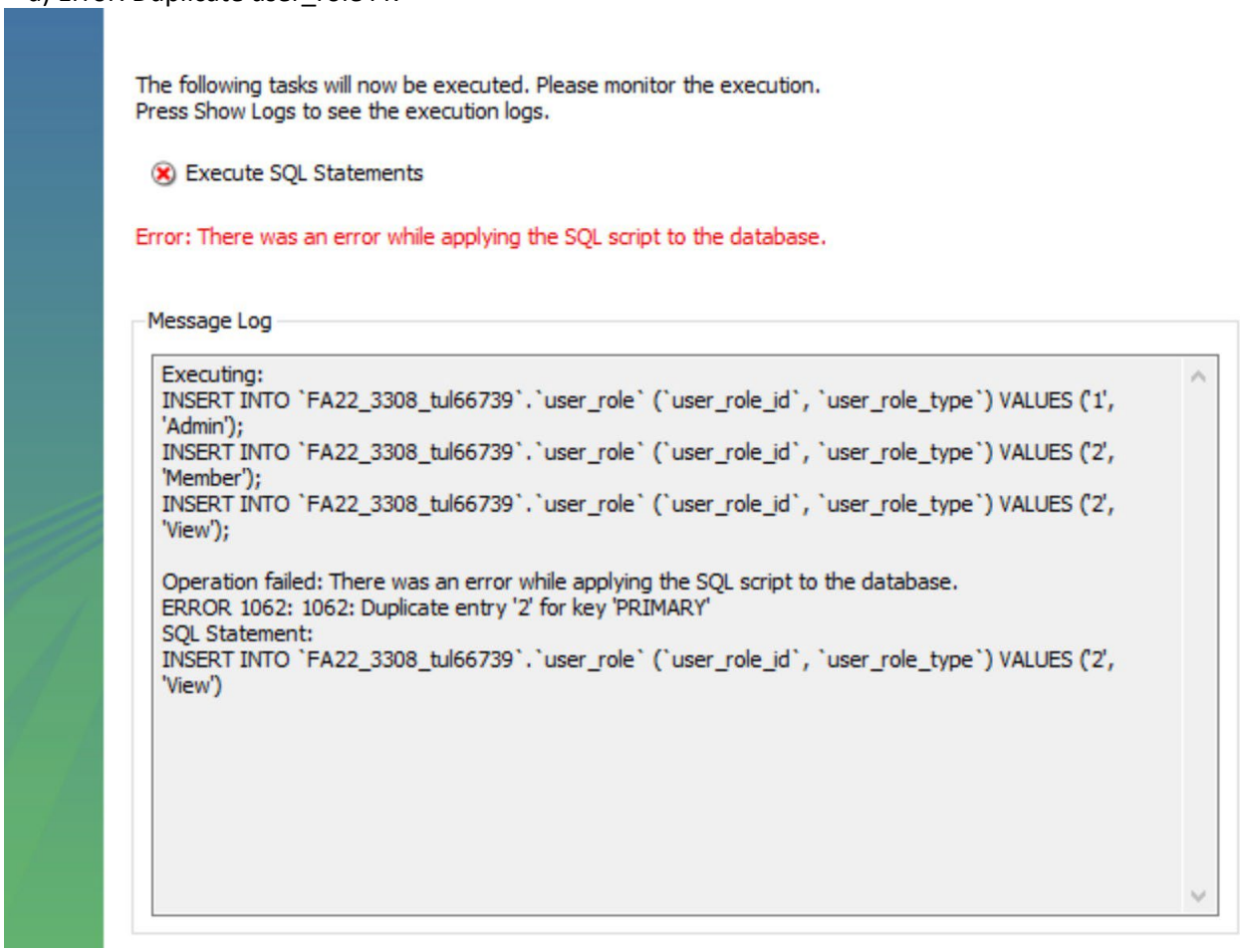


5. “OTHER” TABLE DESIGN and FOREIGN KEY

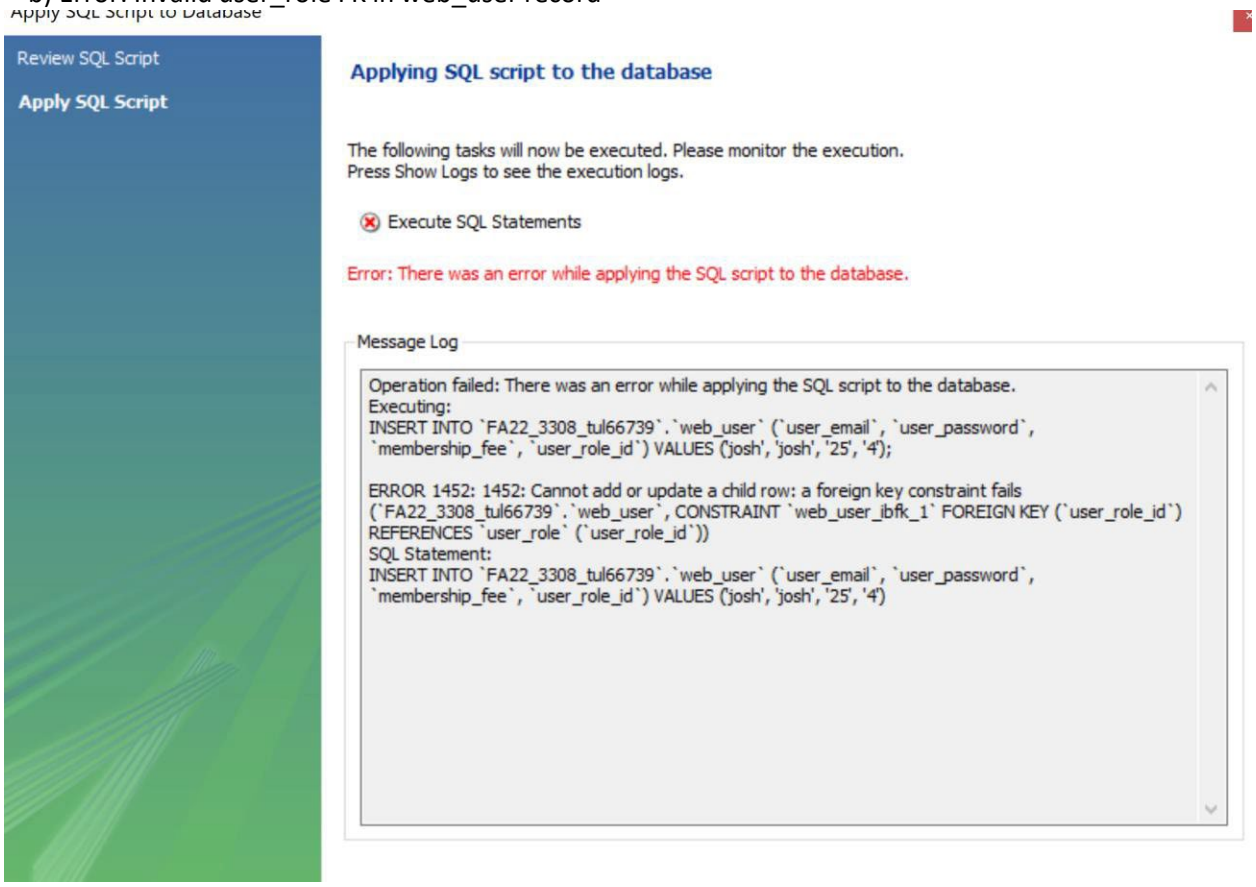


6. DATA ENTRY ERRORS

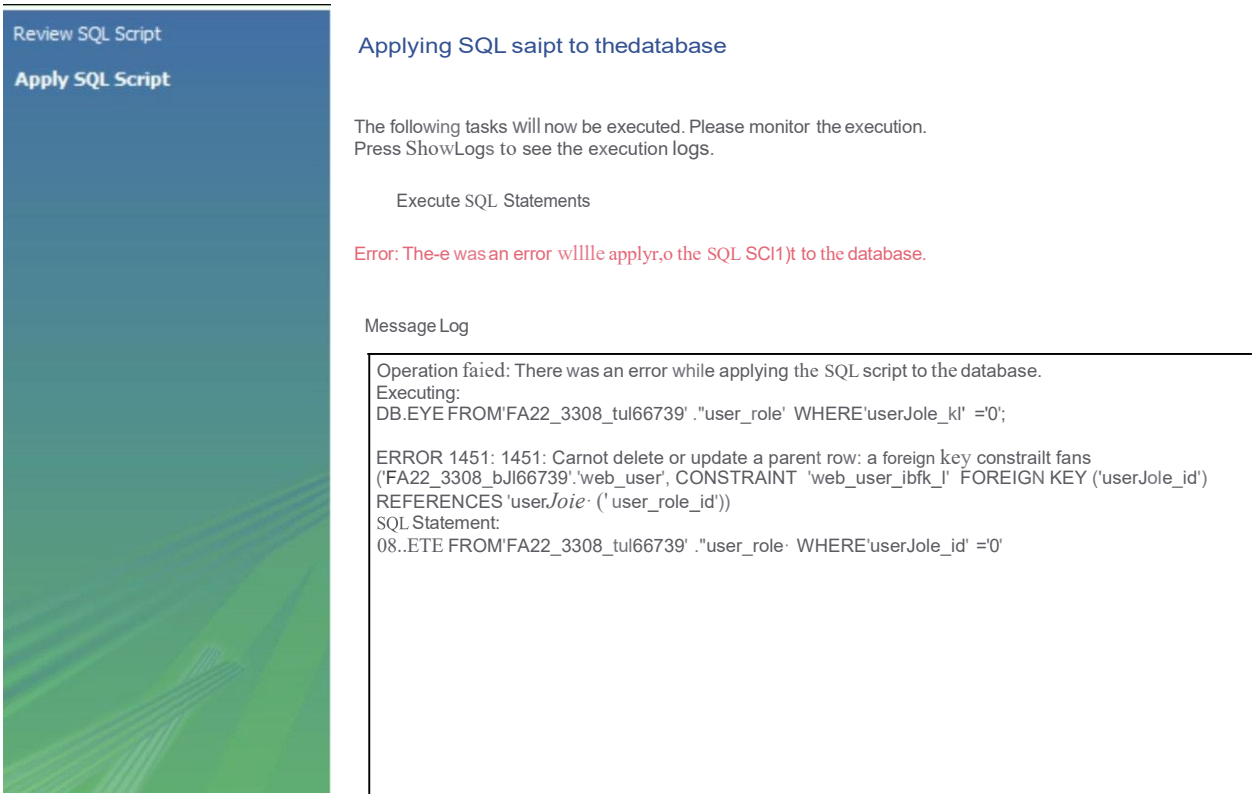
a) Error: Duplicate user_role PK



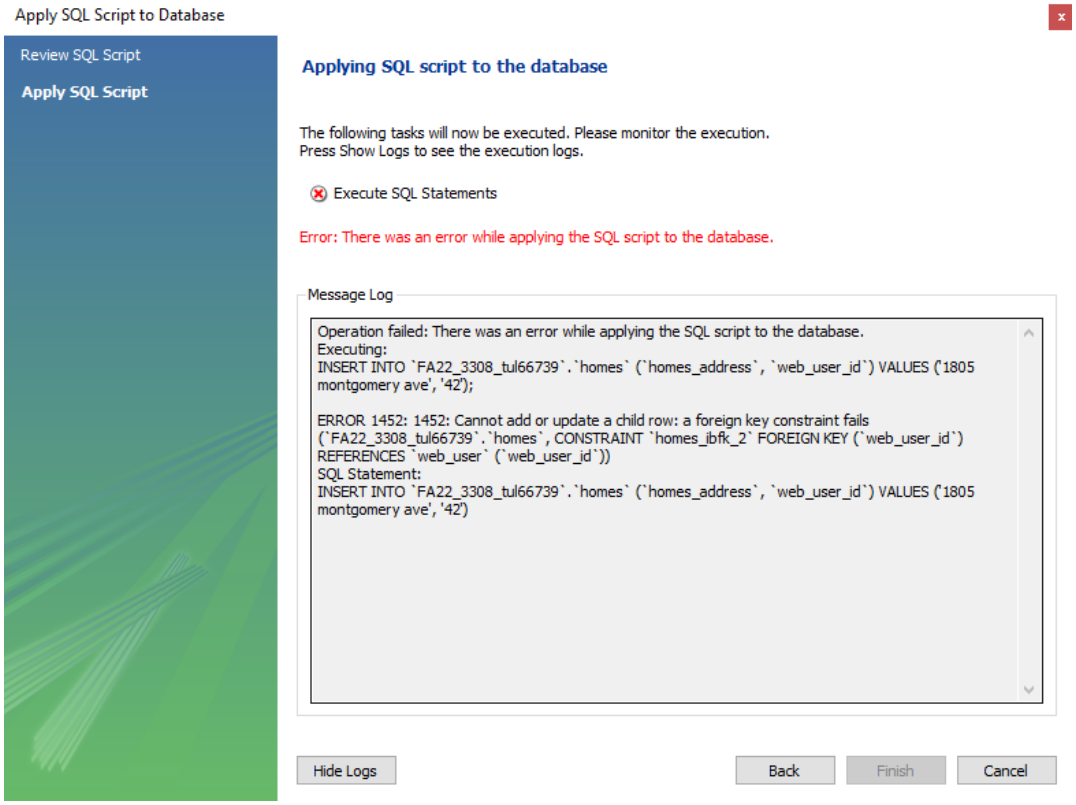
b) Error: Invalid user_role FK in web_user record



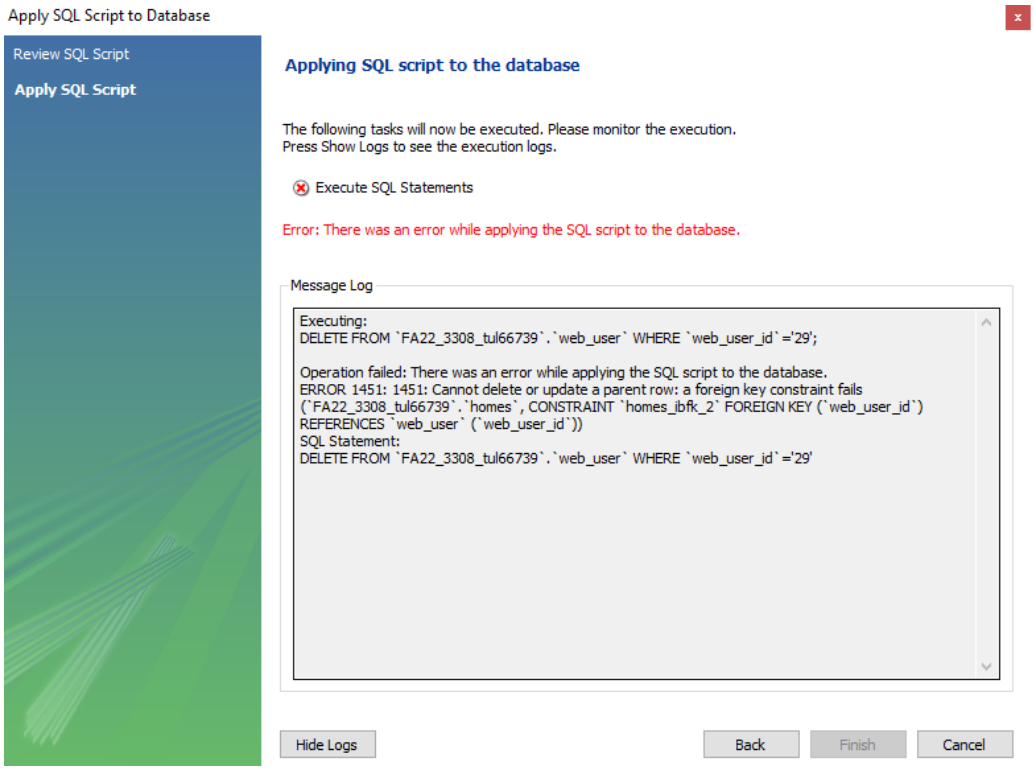
C)Error: Cannot delete a user_role record that's referenced by a web _user record



d) Invalid web_user FK in “other” record

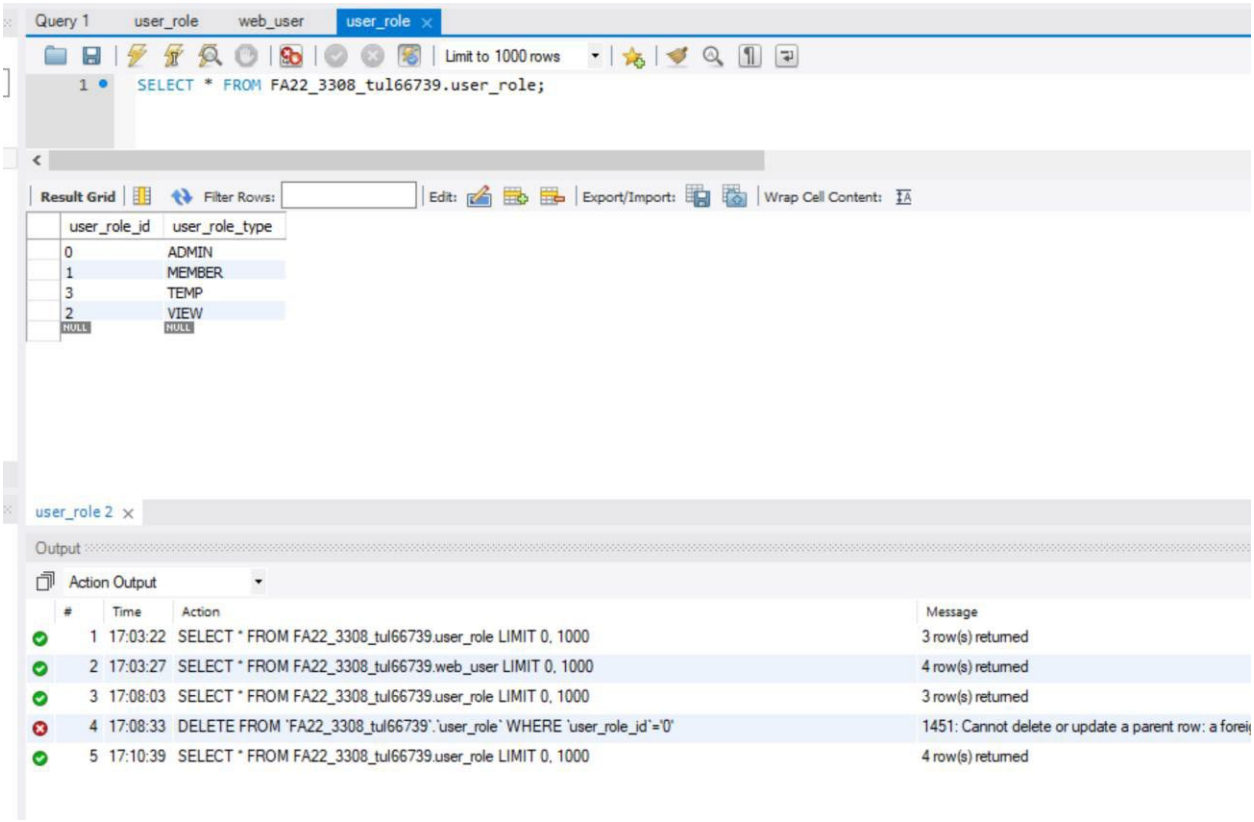


e) Error trying to delete a web_user record that’s referenced by an “other” record

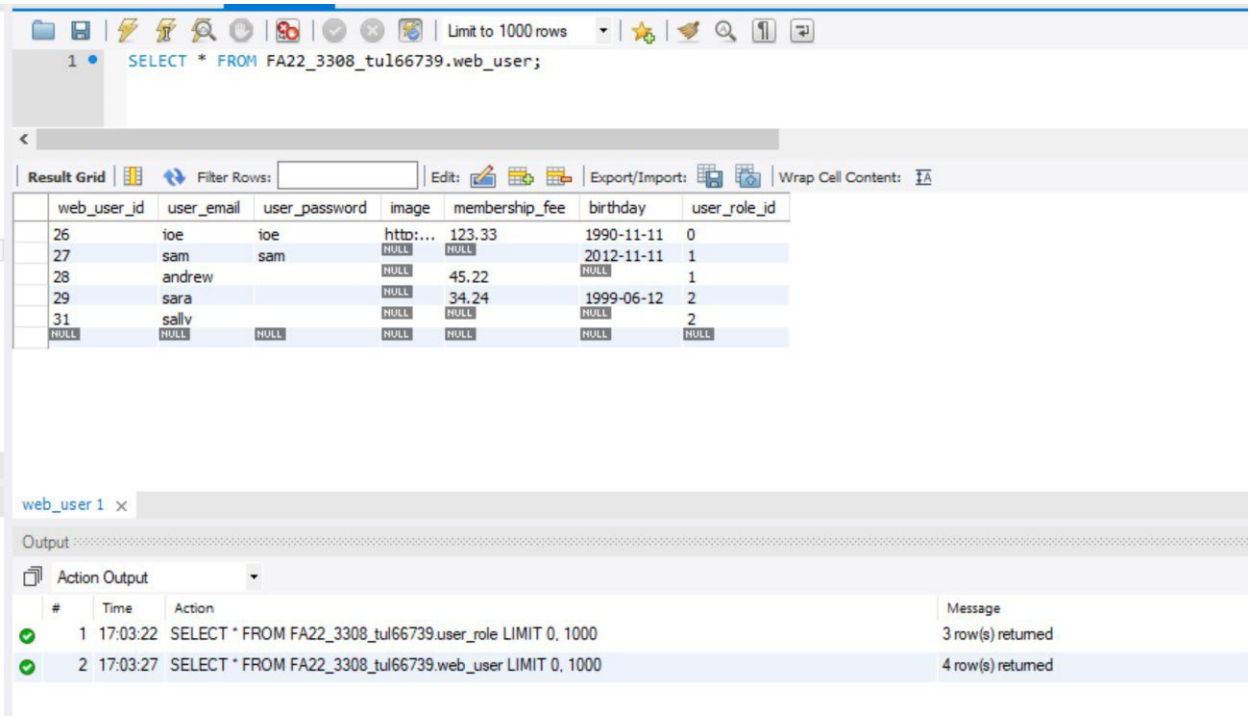


7. SELECT STATEMENTS

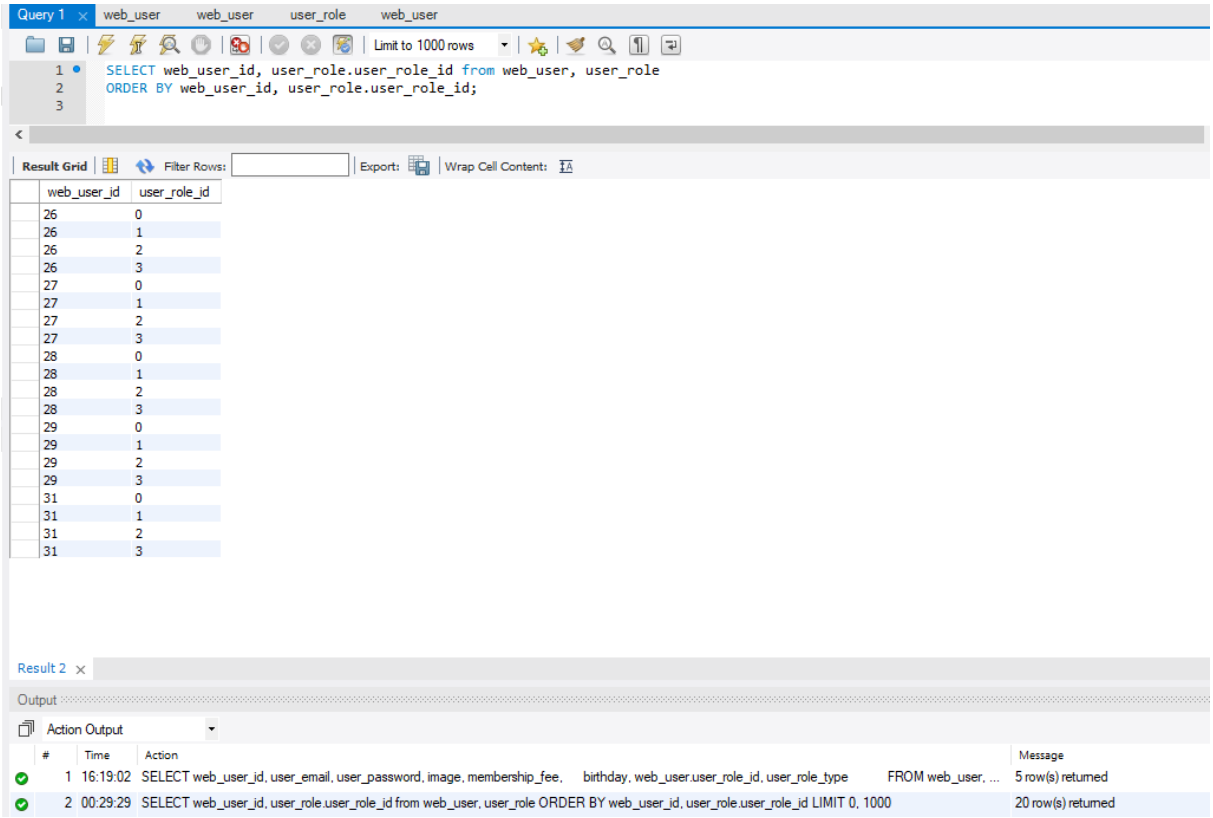
a) USER_ROLE: all rows, all columns, sorted by user_role_id.



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



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



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

```
SELECT * FROM homes;
```

homes_id	homes_address	homes_type	homes_img	price	beds	baths	lot_size_acres	year_built	Listing_date	web_user_id
25	123 apple st.	RES	home.jpg	600000	4.00	2.00	2.50	1982	2021-12-11	26
26	296 boxwood ave.	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	27
27	1021 diamond st.	RES	bighouse.jpg	850000	7.00	4.50	0.50	2021	2021-06-07	27
28	1600 spruce st.	RES	reallynicehouse.jpg	1200000	8.00	8.50	0.25	2008	2019-06-09	28
29	502 delaware ave.	COM	warehouse.jpg	425000	0.00	0.00	0.85	1999	2022-02-08	28
30	222 norris st.	Multi-Family	hose.jpg	280000	4.00	2.00	2.85	1891	2019-07-09	26
31	333 walnut st.	RES		450000	3.00	2.00	0.45	1986	2021-09-21	27
32	444 pine st.	RES	NULL	NULL	4.00	NULL	1.20	NULL	NULL	26
33	1654 broad st.	COM	salon.jpg	850000	NULL	NULL	NULL	2012	NULL	28
34	2136 n17th st.	Multi-Family	home.jpg	750000	NULL	NULL	NULL	2018	NULL	29
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Output

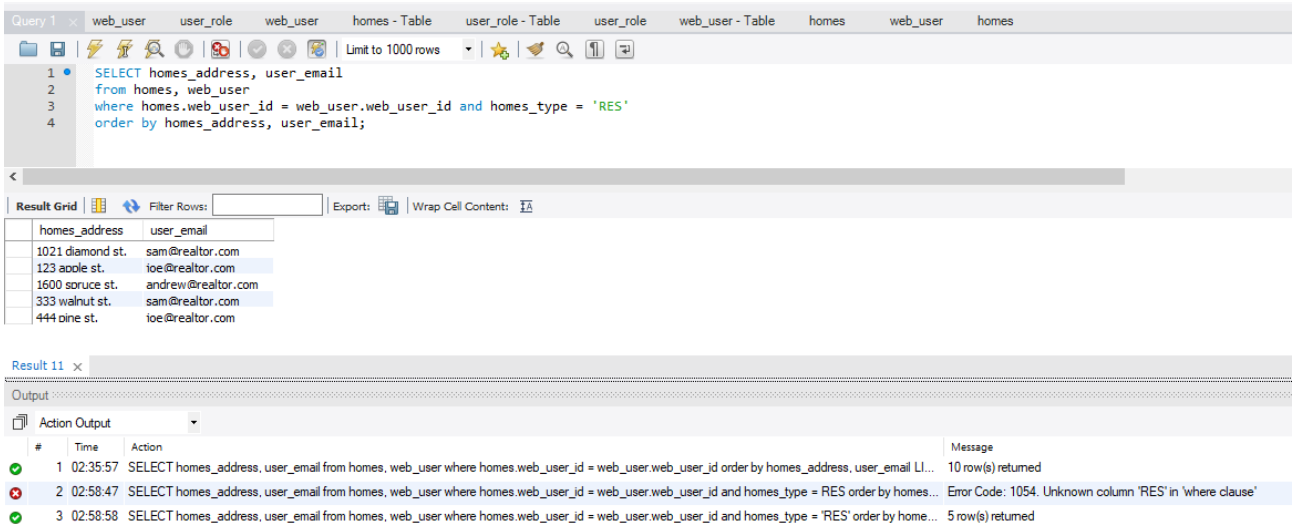
#	Time	Action	Message
1	02:05:44	SELECT * FROM homes LIMIT 0, 1000	10 row(s) returned

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

```
SELECT homes_address, user_email
from homes, web_user
where homes.web_user_id = web_user.web_user_id
order by homes_address, user_email;
```

homes_address	user_email
1021 diamond st.	sam@realtor.com
123 apple st.	joe@realtor.com
1600 spruce st.	andrew@realtor.com
1654 broad st.	andrew@realtor.com
2136 n17th st.	sara@realtor.com
222 norris st.	joe@realtor.com
296 boxwood ave.	sam@realtor.com
333 walnut st.	sam@realtor.com
444 pine st.	joe@realtor.com
502 delaware ave.	andrew@realtor.com

Output

#	Time	Action	Message
1	02:35:57	SELECT homes_address, user_email from homes, web_user where homes.web_user_id = web_user.web_user_id order by homes_address, user_email LI...	10 row(s) returned

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