


[illegible]

Query 1 user_role - Table web_user - Table **web_user - Table** ×


 Table Name: Schema: **fa24_3308_tup19966**

Charset/Collation: Engine:

Comments:

Foreign Key Name	Referenced Table	Column
web_user_ibfk_1	fa24_3308_tup19966	

Foreign Key Options

On Update:


On Delete:










☐ Skip in SQL generation


Foreign Key Comment:

5. "OTHER" TABLE DESIGN and FOREIGN KEY

Query 1 car car **car - Table** × web_user - Table

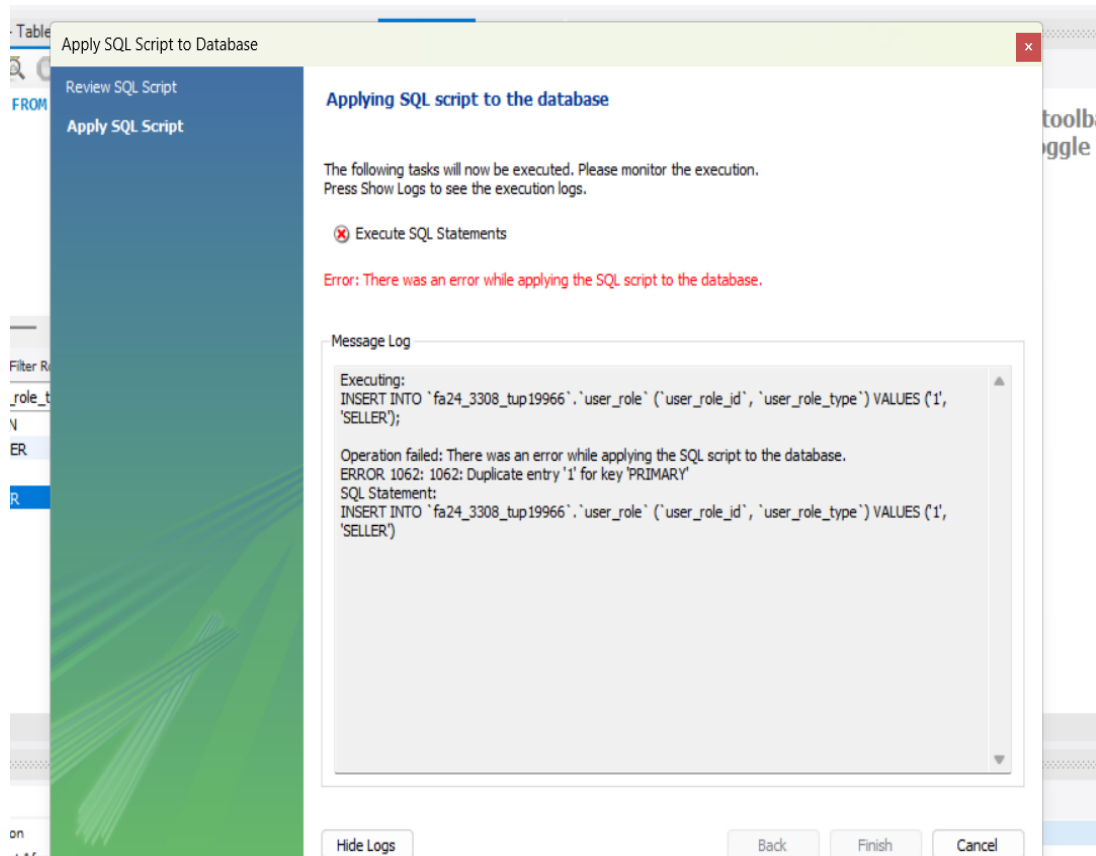

 Table Name: Schema: **fa24_3308_tup19966**

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
 car_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"/>	
 car_picture	VARCHAR(600)	<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
 car_year	INT(20)	<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
 make	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"/>	NULL
 model	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"/>	NULL
 price	DECIMAL(10,2)	<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
 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"/>	
 car_name	VARCHAR(200)	<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"/>	
 mileage	VARCHAR(600)	<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"/>	

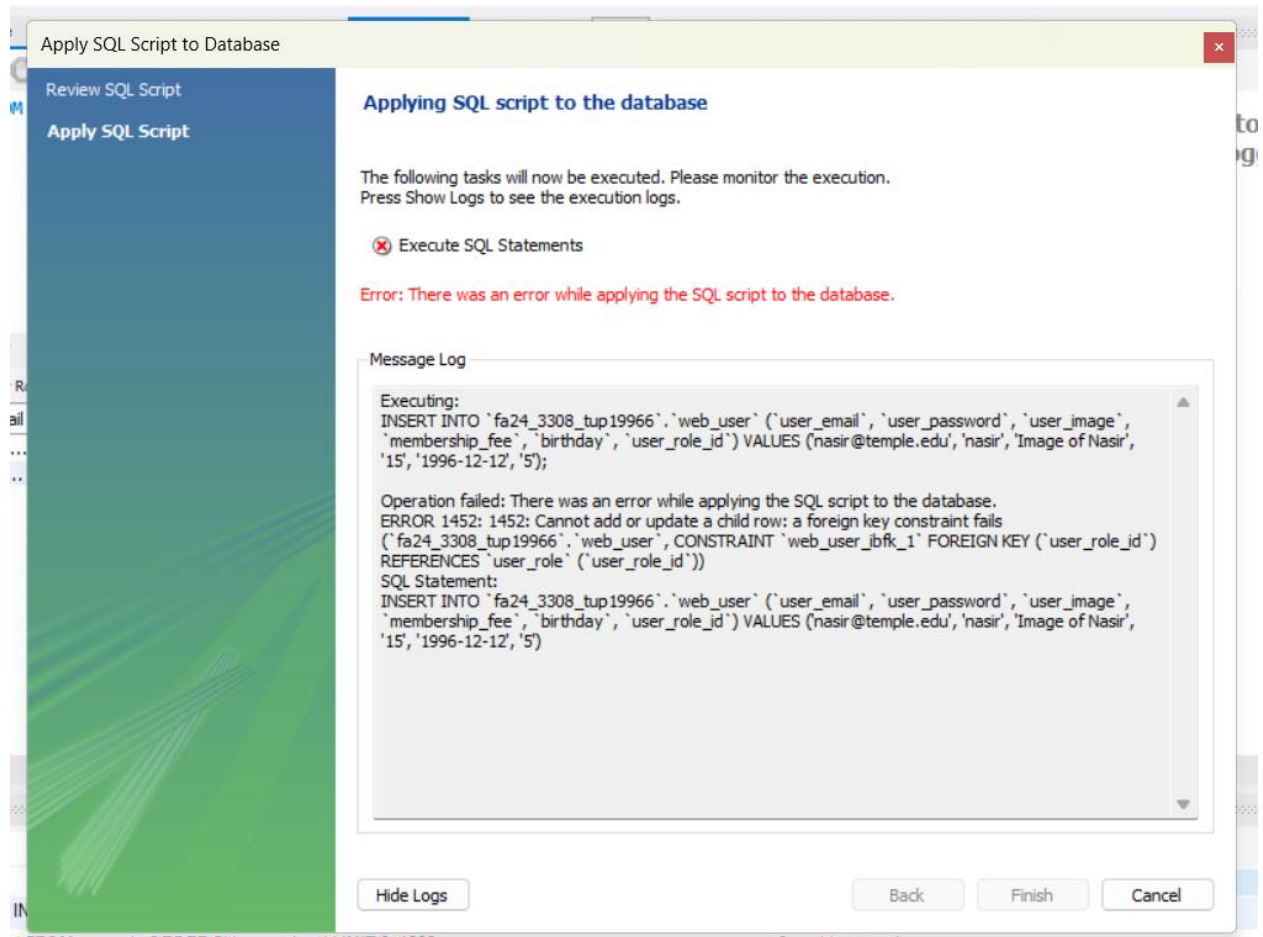
 16 22:01:10 alter table web_user add foreign key (car_id) references car(car_id) 5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0

6. DATA ENTRY ERRORS

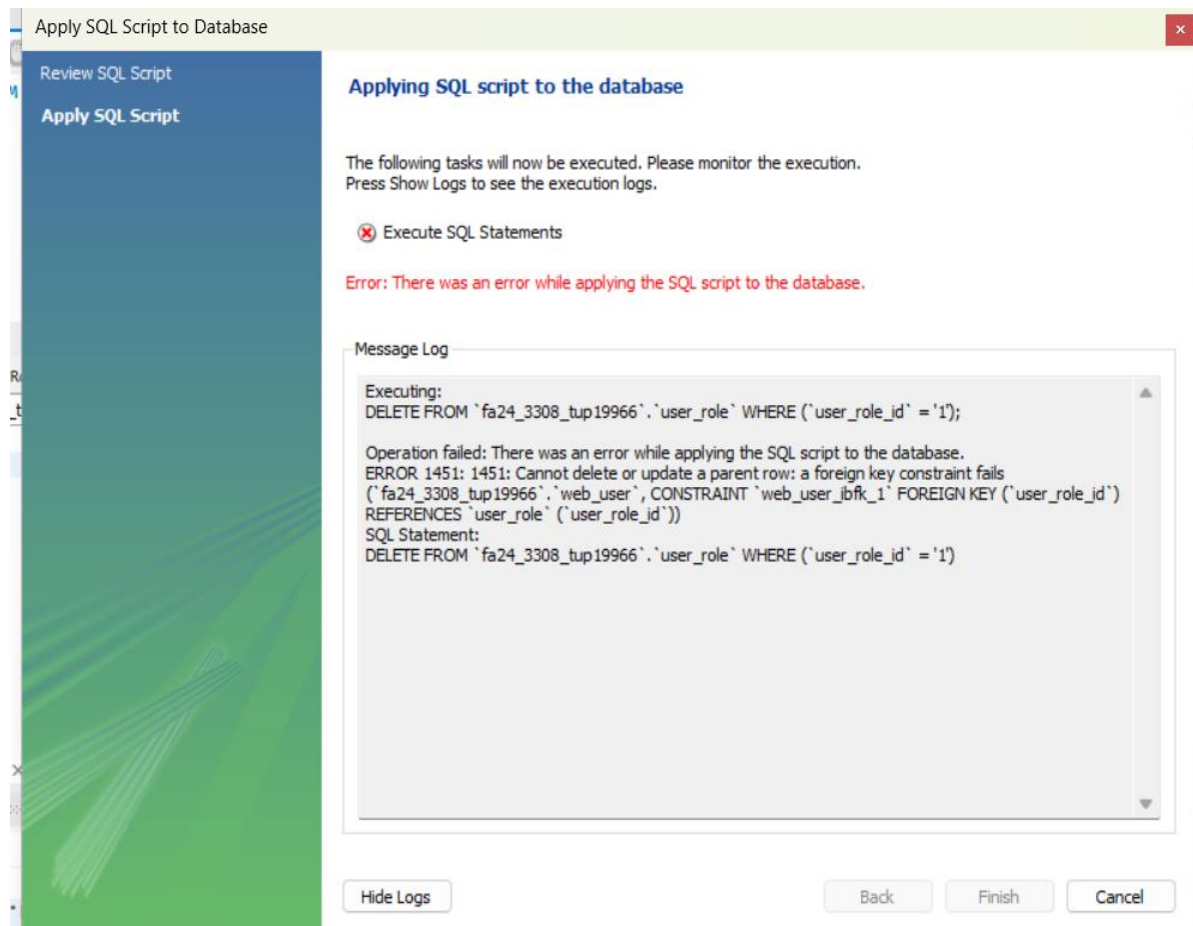
a) Error: Duplicate user_role PK



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

```
Operation failed: There was an error while applying the SQL script to the database.
ERROR 1452: 1452: Cannot add or update a child row: a foreign key constraint fails
(`fa24_3308_tup19966`.`car`, CONSTRAINT `car_ibfk_1` FOREIGN KEY (`web_user_id`)
REFERENCES `web_user` (`web_user_id`))
SQL Statement:
INSERT INTO `fa24_3308_tup19966`.`car` (`owner_phone`, `car_picture`, `car_year`, `make`,
`model`, `price`, `web_user_id`) VALUES ('2673536909', 'Image of honda accord', '2018', 'Honda',
'Accord', '10000', '11')
```

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

Message Log

Operation failed: There was an error while applying the SQL script to the database.
Executing:
DELETE FROM `fa24_3308_tup19966`.`web_user` WHERE (`web_user_id` = '3');

ERROR 1451: 1451: Cannot delete or update a parent row: a foreign key constraint fails
(`fa24_3308_tup19966`.`car`, CONSTRAINT `car_ibfk_1` FOREIGN KEY (`web_user_id`)
REFERENCES `web_user` (`web_user_id`))
SQL Statement:
DELETE FROM `fa24_3308_tup19966`.`web_user` WHERE (`web_user_id` = '3')

6. SELECT STATEMENTS

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

Query 1 user_role - Table web_user - Table web_user - Table **user_role** ×

Limit to 1000 rows

1 • `SELECT * FROM user_role ORDER BY user_role_id;`

Result Grid | Filter Rows: | Edit: | Export/Import: | **Result Grid** | Form Editor

	user_role_id	user_role_type
▶	1	ADMIN
	2	MEMBER
	3	VIEW
*	NULL	NULL

19 22:14:10 SELECT * FROM user_role ORDER BY user_role_id LIMIT 0, 1000

3 row(s) returned

0.016 sec / 0.000 sec

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

Query 1 user_role - Table web_user - Table web_user - Table user_role **web_user** ×

Limit to 1000 rows

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

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

	web_user_id	user_email	user_password	user_image	membership_fee	birthday	user_role_id
▶	1	tup19966@temple.edu	token	Image of the user	12.00	1999-11-08	1
	3	nasir@temple.edu	nasir	Image of Nasir	15.00	1996-12-12	2
	4	irshadul@temple.edu	irshadul	Image of Irshadul	19.00	NULL	3
	5	himel@temple.edu	himel	Image of user	NULL	1995-09-09	1
	6	tousif@temple.edu	tousif	Image of user	22.00	NULL	2
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

20 22:15:53 SELECT * FROM web_user ORDER BY web_user_id LIMIT 0, 1000

5 row(s) returned

0.032 sec / 0.000 sec

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

Query 1 user_role - Table web_user - Table web_user - Table user_role web_user

Limit to 1000 rows

```

1  SELECT user_role.user_role_type, web_user.user_email
2  from web_user Join user_role ON web_user.user_role_id = user_role.user_role_id
3  ORDER BY user_role.user_role_type, user_email;

```

Result Grid Filter Rows: Expo

	user_role_type	user_email
▶	ADMIN	himel@temple.edu
	ADMIN	tup19966@temple.edu
	MEMBER	nasir@temple.edu
	MEMBER	tousif@temple.edu
	VIEW	irshadul@temple.edu

18 21:55:45 SELECT user_role.user_role_type, web_user.user_email from web_user Join user_role ON web_user.user_role... 5 row(s) returned

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

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

car_id	car_picture	car_year	make	model	price	web_user_id	car_name	mileage
59	https://hips.hearstapps.com/hmg-prod/amv-pr...	2011	honda	crv	5000.00	5	Beast	45000
60		2004	Chrysler	Pacifica	2000.00	4	Bigdog	56000
61	https://hips.hearstapps.com/hmg-prod/amv-pr...	2009	toyota	rav4	5500.00	6	PocketR...	65000
62	NULL	2015	Honda	Civic	9000.00	1	Rocket	40000
63	https://hips.hearstapps.com/hmg-prod/amv-pr...	2018	Honda	Accord	3900.00	4	Fast	35000
64	NULL	2016	toyota	rav4	8000.00	4	lucky	25000
65	NULL	2011	toyota	corolla	2500.00	4	Ruby	50000
67	NULL	2012	toyota	avalon	3900.00	3	Tarzan	22000
68	https://hips.hearstapps.com/hmg-prod/amv-pr...	2010	honda	insights	4000.00	1	Raven	28000
69	NULL	2013	toyota	fielder	5000.00	5	BlackAce	33000
74	NULL	NULL	Nissan	Altima	NULL	3	Nightmare	12000
▶ 75	NULL	NULL	Nissan	Maxima	3000.00	1	Diamond	24000
★ NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

car 1 x Apply

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

```
web_user  car      car      car      car      car - Table
[Icons] | Limit to 1000 rows


1  SELECT user_email, car_name
2  FROM web_user, car
3  WHERE car.web_user_id=web_user.web_user_id
4  ORDER BY car_name, user_email;
```

	user_email	car_name
►	himel@temple.edu	Beast
	irshadul@temple.edu	Bigdog
	himel@temple.edu	BlackAce
	tup19966@temple.edu	Diamond
	irshadul@temple.edu	Fast
	irshadul@temple.edu	lucky
	nasir@temple.edu	Nightmare
	tousif@temple.edu	PocketRocket
	tup19966@temple.edu	Raven
	tup19966@temple.edu	Rocket
	irshadul@temple.edu	Ruby
	nasir@temple.edu	Tarzan



4 16:01:46 SELECT user_email, car_name FROM web_user, car WHERE car.web_user_id=web_user.web_user_id ORD... 12 row(s) returned 0.032 sec / 0.000 sec

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

web_usercarcarcarcarcar - Table

Limit to 1000 rows

```
1  SELECT user_email, car_name
2  FROM web_user, car
3  WHERE car.web_user_id=web_user.web_user_id
4  AND make="toyota"
5  ORDER BY car_name, user_email;
```

Result Grid   Filter Rows:

	user_email	car_name
▶	himel@temple.edu	BlackAce
	irshadul@temple.edu	lucky
	tousif@temple.edu	PocketRocket
	irshadul@temple.edu	Ruby
	nasir@temple.edu	Tarzan

5 16:06:49 SELECT user_email, car_name FROM web_user, car WHERE car.web_user_id=web_user.web_user_id AND ... 5 row(s) returned

0.047 sec / 0.000 sec