1. STUDENT NAME

Kiran Nixon

2. URL to STUDENT WEB SITE

http://cis-linux2.temple.edu:8080/fa21_3308_tuj83407/index.html#/home

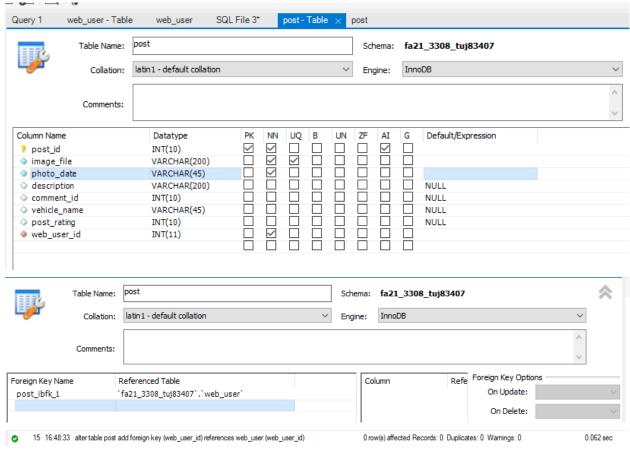
3. user_role TABLE DESIGN

Table Name:	user_role						Sch	nema:	fa21_3308_tuj83407		
Column Name	Datatype INT(11) VARCHAR(10)	PK		UQ ▼ ▼ ▼	B	UN	ZF	AI	G 	Default/Expression	

4. web_user TABLE DESIGN and FOREIGN KEY

Query 1 web_user - Table ×	user_role - Table									
Table Name:	web_user									Schema: fa21_3308_tuj83407
Column Name	Datatype	PK	NN	UQ	В	UN	ZF	ΑI	G	Default/Expression
<pre>web_user_id</pre>	INT(11)	~	~					~		
user_email	VARCHAR(45)		~	~						
user_password	VARCHAR(45)		~							
image	VARCHAR(300)									NULL
membership_fee	DECIMAL(8,2)									NULL
♦ birthday	DATE									NULL
user_role_id	INT(11)		~							

5. "OTHER" TABLE DESIGN and FOREIGN KEY



6. DATA ENTRY ERRORS

a) Error: Duplicate user_role PK

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

Executing:
INSERT INTO `fa21_3308_tuj83407`.`user_role` (`user_role_id`, `user_role_type`) VALUES ('2', `MEMBERP');

ERROR 1062: 1062: Duplicate entry '2' for key 'PRIMARY'

SQL Statement:
INSERT INTO `fa21_3308_tuj83407`.`user_role` (`user_role_id`, `user_role_type`) VALUES ('2', 'MEMBERP')
```

b) Error: Invalid user_role FK in web_user record

Message Log

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

Executing:
INSERT INTO `fa21_3308_tuj83407`.`web_user` (`user_email`, `user_password`, `user_role_id`)
VALUES ('fake@gmail.com', 'abc123', '9');

ERROR 1452: 1452: Cannot add or update a child row: a foreign key constraint fails
(`fa21_3308_tuj83407`.`web_user`, CONSTRAINT `web_user_ibfk_1` FOREIGN KEY (`user_role_id`)
REFERENCES `user_role` (`user_role_id`))
SQL Statement:
INSERT INTO `fa21_3308_tuj83407`.`web_user` (`user_email`, `user_password`, `user_role_id`)
VALUES ('fake@gmail.com', 'abc123', '9')
```

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

```
Executing:

DELETE FROM `fa21_3308_tuj83407`.`user_role` WHERE (`user_role_id` = '1');

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

ERROR 1451: 1451: Cannot delete or update a parent row: a foreign key constraint fails
(`fa21_3308_tuj83407`.`web_user`, CONSTRAINT`web_user_ibfk_1` FOREIGN KEY (`user_role_id`)

REFERENCES `user_role` (`user_role_id`))

SQL Statement:

DELETE FROM `fa21_3308_tuj83407`.`user_role` WHERE (`user_role_id` = '1')
```

d) Invalid web_user FK in "other" record

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
```

```
Executing:
INSERT INTO `fa21_3308_tuj83407`.`post` (`post_id`, `image_file`, `photo_date`, `web_user_id`)
VALUES ('11', 'pics/abc123', '09/09/2009', '9');

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
(`fa21_3308_tuj83407`.`post`, CONSTRAINT `post_ibfk_1` FOREIGN KEY (`web_user_id`)
REFERENCES `web_user` (`web_user_id`))
SQL Statement:
INSERT INTO `fa21_3308_tuj83407`.`post` (`post_id`, `image_file`, `photo_date`, `web_user_id`)
VALUES ('11', 'pics/abc123', '09/09/2009', '9')
```

51 17:37:22 INSERT INTO 'fa21_3308_tuj83407'.'post' ('post_id', 'image_file', 'photo_date', 'web_user_id') V... 1452: Cannot add or update a child row: a foreign key constraint fails ('fa21...

e) Error trying to delete a web user record that's referenced by an "other" record

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.

52 17:38:09 DELETE FROM 'fa21_3308_tuj83407'.'web_user' WHERE 'web_user_id'='7'

```
Executing:

DELETE FROM `fa21_3308_tuj83407`.`web_user` WHERE `web_user_id`='15';

DELETE FROM `fa21_3308_tuj83407`.`web_user` WHERE `web_user_id`='7';

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

ERROR 1451: 1451: Cannot delete or update a parent row: a foreign key constraint fails

(`fa21_3308_tuj83407`.`post`, CONSTRAINT `post_ibfk_1` FOREIGN KEY (`web_user_id`)

REFERENCES `web_user` (`web_user_id`))

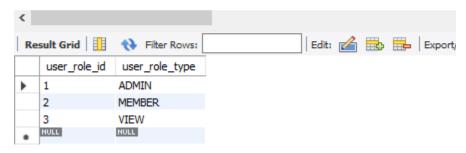
SQL Statement:

DELETE FROM `fa21_3308_tuj83407`.`web_user` WHERE `web_user_id`='7'
```

1451: Cannot delete or update a parent row: a foreign key constraint fails (f...

7. SELECT STATEMENTS

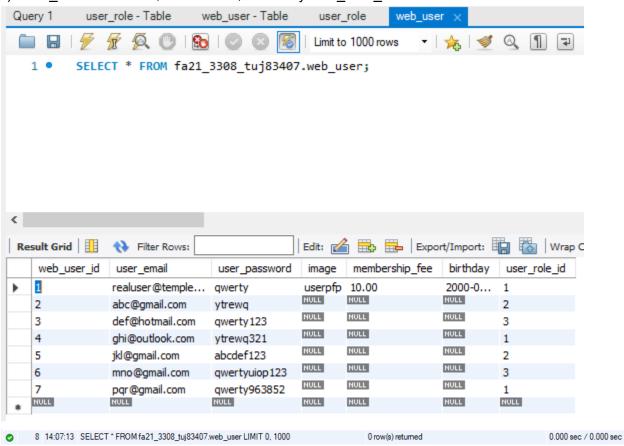
- a) USER_ROLE: all rows, all columns, sorted by user_role_id.
 - 1 SELECT * FROM fa21_3308_tuj83407.user_role;



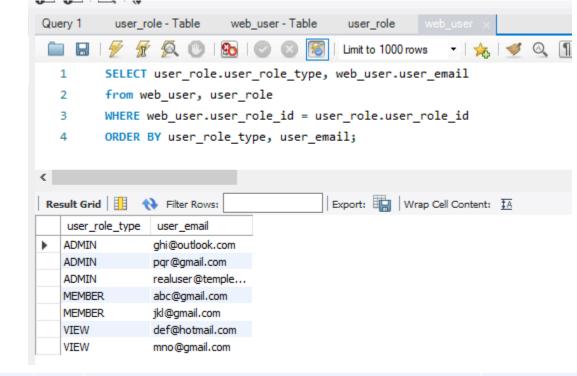
7 14:04:15 SELECT * FROM fa21_3308_tuj83407.user_role LIMIT 0, 1000

3 row(s) returned

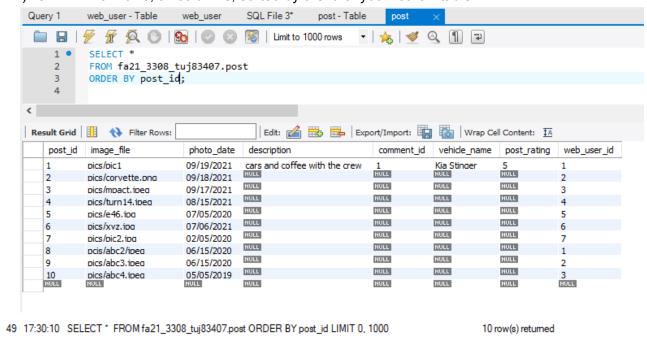
b) WEB_USER: all rows, all columns, sorted by web_user_id.



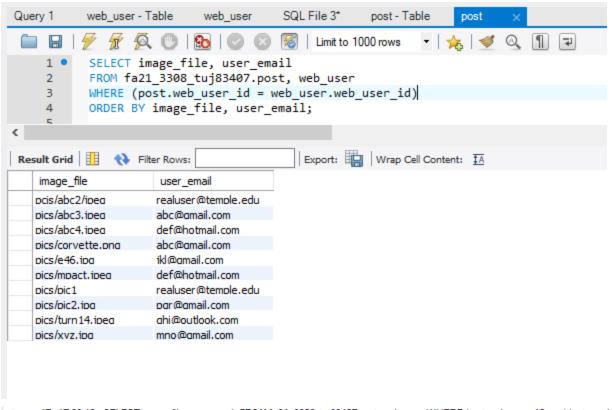
c) WEB_USER JOINED WITH USER_ROLE: all rows, certain columns, sorted.



- 24 14:49:23 SELECT user_role.user_role_type, web_user.user_email from web_user, user_rol... 7 row(s) returned
 - f) "OTHER": all rows, all columns, sorted by the id of your "other" table.

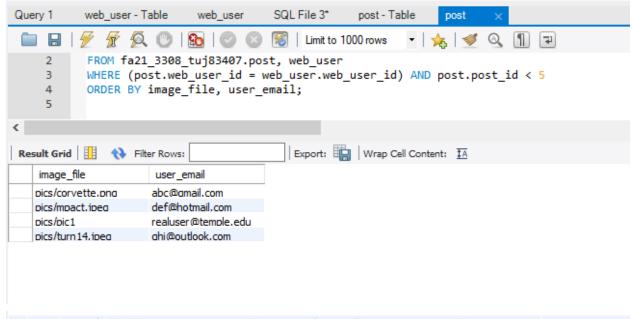


g) "OTHER" JOINED WITH WEB_USER all rows, certain columns, sorted.



47 17:29:13 SELECT image_file, user_email FROM fa21_3308_tuj83407.post, web_user WHERE (post.web_u... 10 row(s) returned

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



46 17:25:50 SELECT image_file, user_email FROM fa21_3308_tuj83407.post, web_user WHERE (post.web_u... 4 row(s) returned