

```

1 • DROP DATABASE IF EXISTS my_web_db;
2 • CREATE DATABASE my_web_db;
3 • use my_web_db;
4
5 • create table if not exists users (
6     user_id int primary key auto_increment,
7     email_address varchar(100),
8     first_name varchar(45),
9     last_name varchar(45)
10 );
11
12 • create table if not exists products (
13     product_id int primary key auto_increment,
14     product_name varchar(45)
15 );
16
17 • create table if not exists downloads (
18     download_id int primary key auto_increment,
19     user_id int,
20     download_date datetime,
21     filename varchar(50),
22     product_id int,
23     constraint fk_download_users
24     foreign key (user_id) references users (user_id),
25     constraint fk_download_products
26     foreign key (product_id) references products (product_id)
27 );

```

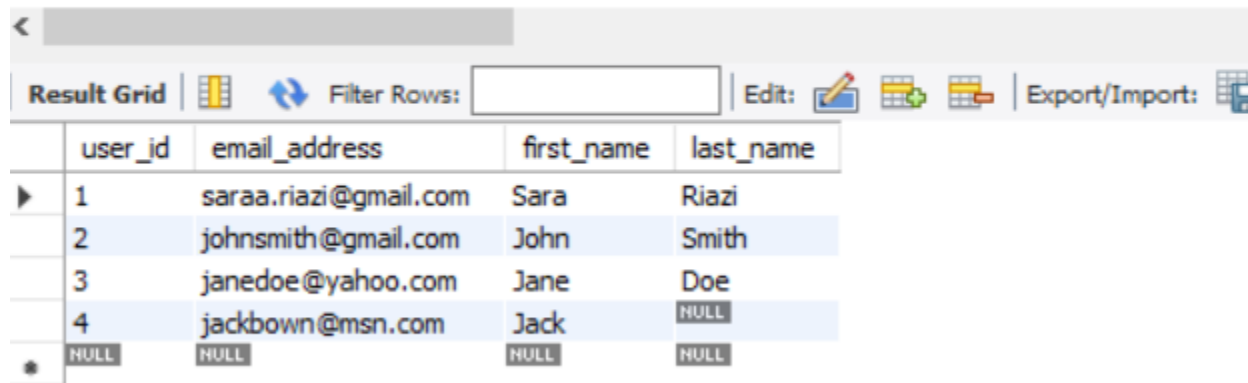
Q1: Does not exists only creates a new table/database if one with the same name does not currently exist.

Q2-4: Screenshot above

Q5: The auto-increment automatically sets a user id.

Q6:

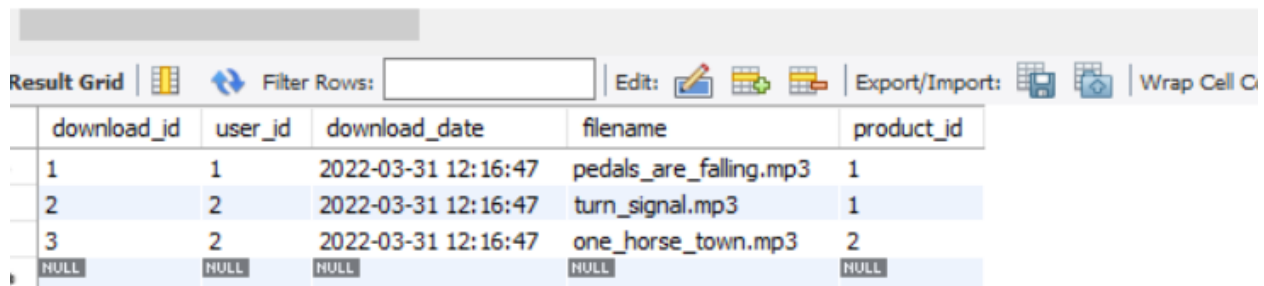
```
10 • insert into users (email_address, first_name)
11 values ('jackbown@msn.com', 'Jack');
12 • select * from users;
```



	user_id	email_address	first_name	last_name
▶	1	saraa.riazi@gmail.com	Sara	Riazi
	2	johnsmith@gmail.com	John	Smith
	3	janedoe@yahoo.com	Jane	Doe
	4	jackbown@msn.com	Jack	NULL
*	NULL	NULL	NULL	NULL

Q7:

```
13 • INSERT INTO downloads VALUES (1, 1, NOW(), 'pedals_are_falling.mp3', 1),
14 (2, 2, NOW(), 'turn_signal.mp3', 1),
15 (3, 2, NOW(), 'one_horse_town.mp3', 2);
16 • select * from downloads;
```



	download_id	user_id	download_date	filename	product_id
	1	1	2022-03-31 12:16:47	pedals_are_falling.mp3	1
	2	2	2022-03-31 12:16:47	turn_signal.mp3	1
	3	2	2022-03-31 12:16:47	one_horse_town.mp3	2
	NULL	NULL	NULL	NULL	NULL

Q8: It takes the current time and stamps it in the download date

Q9:

```
17 • update users
18   set email_address = 'john.smith@yahoo.com'
19   where user_id = 2;
20 • DELETE FROM users WHERE user_id=1;
21 • delete from downloads where user_id=2;
```

	user_id	email_address	first_name	last_name
▶	1	saraa.riazi@gmail.com	Sara	Riazi
	2	john.smith@yahoo.com	John	Smith
	3	janedoe@yahoo.com	Jane	Doe
	4	jackbown@msn.com	Jack	NULL
*	NULL	NULL	NULL	NULL

Q10:

```
✖ 69 12:21:33 DELETE FROM users WHERE user_id=1 Error Code: 1451. Cannot delete or update ... 0.015 sec
20 • DELETE FROM users WHERE user_id=1;
21 • delete from downloads where user_id=2;
```

	download_id	user_id	download_date	filename	product_id
*	NULL	NULL	NULL	NULL	NULL

I could not delete Sara Riazas information while it was being referenced in another table. Once the reference was gone, the information was able to be deleted.