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## Project: SQL – One to Many Relationships

- 1.) Videos table. Create one table to keep track of the videos. This table should include a unique ID, the title of the video, the length in minutes, and the URL. Populate the table with at least three related videos from YouTube or other publicly available resources

Query Editor

Query History

```
1 CREATE TABLE VideoTrack (  
2     ID serial primary key,  
3     title_video varchar(255),  
4     length_minutes varchar(255),  
5     url varchar(255)  
6 );  
7 select*from VideoTrack;  
8  
9 insert into VideoTrack(title_video, length_minutes, url)  
10     values('Step Forward - CHILLOBEY', '1:36', 'https://soundcloud.co  
11 insert into VideoTrack(title_video, length_minutes, url)  
12     values('Obey Me - CHILLOBEY', '2:27', 'https://soundcloud.com/rsv  
13 insert into VideoTrack(title_video, length_minutes, url)  
14     values('Gaze - CHILLOBEY', '3:37', 'https://soundcloud.com/rsvcor  
15
```

Explain

Data Output

Messages

Notifications

	id [PK] integer	title_video character varying (255)	length_minutes character varying (255)	url character varying (255)
	1	Step Forward - CHILLOBEY	1:36	https://soundcloud.com/rsvc...
	2	Obey Me - CHILLOBEY	2:27	https://soundcloud.com/rsvc...
	3	Gaze - CHILLOBEY	3:37	https://soundcloud.com/rsvc...

- 2.) Create and populate Reviewers table. Create a second table that provides at least two user reviews for each of at least two of the videos. These should be imaginary reviews that include columns for the user's name ("Asher", "John", etc.), the rating (which could be NULL, or a number between 0 and 5), and a short text review ("Loved it!"). There should be a column that links back to the ID column in the table of videos.

```

16 CREATE TABLE Reviewers(
17     ID serial primary key,
18     user_name varchar(355),
19     rating varchar(355),
20     short_text varchar(355)
21 );
22
23 select*from Reviewers;
24
25 insert into Reviewers(user_name, rating, short_text)
26     values('Ben', '5', 'Great Artist!');
27 insert into Reviewers(user_name, rating, short_text)
28     values('Maxx', '3', 'Its good');
29
30

```

Explain Data Output Messages Notifications

	id [PK] integer	user_name character varying (355)	rating character varying (355)	short_text character varying (355)
1	1	Ben	5	Great Artist!
2	2	Maxx	3	Its good

- 3.) Report on Video Reviews. Write a JOIN statement that shows information from both tables.

```

29
30 select*from VideoTrack inner join Reviewers on VideoTrack.id = Reviewers.id;
31
32
33

```

Explain Data Output Messages Notifications

	title_video character varying (255)	length_minutes character varying (255)	url character varying (255)	id integer	user_name character varying (355)	rating character varying (355)	short_text character varyi
1	Step Forward - CHILLOBEY	1:36	https://soundcloud.com/rsvc...	1	Ben	5	Great Artist!
2	Obey Me - CHILLOBEY	2:27	https://soundcloud.com/rsvc...	2	Maxx	3	Its good