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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

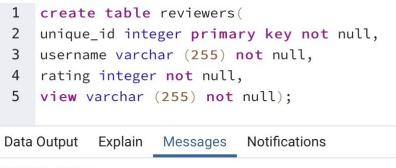
```
1   CREATE table videos(
2   unique_id integer primary key NOT NULL,
3   title VARCHAR(255) NOT NULL,
4   length VARCHAR(255) NOT NULL,
5   url VARCHAR(255) NOT NULL
6 );
```

```
insert into videos
values (001, 'The Scientific Way to Cut a Cake - Numberphile', 5.08, 'https://www.youtube.com/watch?v=wBU9N3
insert into videos
values(002, 'The Remarkable Way We Eat Pizza - Numberphile', 7.41, 'https://www.youtube.com/watch?v=gi-TBlh4
insert into videos
values (003, 'Ham Sandwich Problem - Numberphile', 5.53, 'https://www.youtube.com/watch?v=YCXmUi56rao');
```

1 select * from videos;

Dat	a Output Exp	pla	in Messages Notification	ons	
4	unique_id [PK] integer	Ø.	title character varying (255)	length character varying (255)	url character varying (255)
1		1	The Scientific Way to Cut a Ca	5.08	https://www.youtube.com/wa
2		2	The Remarkable Way We Eat	7.41	https://www.youtube.com/wa
3		3	Ham Sandwich Problem - Nu	5.53	https://www.youtube.com/wa

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.



CREATE TABLE

Query returned successfully in 65 msec.

```
insert into reviewers
values (1, 'Lei Rose', 5, 'bold of you to assume I have leftover cake');
insert into reviewers
values (2, 'John Chassant', 4.5, 'Props to Germany for putting Gauss on their money.');
insert into reviewers
values (3, 'DHGameStudios', 4, 'I think the only problem here is that theres only ham in that sandwich.');

Data Output Explain Messages Notifications

INSERT 0 1

Query returned successfully in 95 msec.
```



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

