

## Project – One to Many Relationships

Create a videos table.

- 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     Id int PRIMARY KEY,
3     Title VARCHAR(300),
4     Length_video int,
5     Url VARCHAR(300));
6
7 INSERT INTO videos ( Id, Title, Length_video, Url )
8 VALUES (1, 'Marvel Studios' Eternals | Final Trailer', 3, 'https://www.youtube.com/watch?v=x_me3xsvDgk&ab_channel=MarvelEntertainment');
9
10 INSERT INTO videos ( Id, Title, Length_video, Url )
11 VALUES (2, 'Star Wars: Visions | Original Trailer | Disney+', 2, 'https://www.youtube.com/watch?v=lle0NNmvlyU&ab_channel=Disney+');
12
13 INSERT INTO videos ( Id, Title, Length_video, Url )
14 VALUES (3, 'Reveal Trailer | Call of Duty®: Vanguard', 3, 'https://www.youtube.com/watch?v=OQ1CwPhE8KQ&ab_channel=CallofDuty');
15
16 INSERT INTO videos ( Id, Title, Length_video, Url )
17 VALUES (4, 'HOUSE OF GUCCI | Official Trailer | MGM Studios', 2, 'https://www.youtube.com/watch?v=pGi3Bgn7U5U&ab_channel=MGM');
18
19
```

Data Output Explain Messages Notifications

	<b>Id</b> [PK] integer	<b>title</b> character varying (300)	<b>length_video</b> integer	<b>url</b> character varying (300)	
1	1	Marvel Studios' Eternals   Final Trailer	3	https://www.youtube.com/watch?v=x_me3xsvDgk&ab_channel=MarvelEntertainment	
2	2	Star Wars: Visions   Original Trailer   Disney+	2	https://www.youtube.com/watch?v=lle0NNmvlyU&ab_channel=Disney+	
3	3	Reveal Trailer   Call of Duty®: Vanguard	3	https://www.youtube.com/watch?v=OQ1CwPhE8KQ&ab_channel=CallofDuty	
4	4	HOUSE OF GUCCI   Official Trailer   MGM Studios	2	https://www.youtube.com/watch?v=pGi3Bgn7U5U&ab_channel=MGM	

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.

```
21 CREATE TABLE reviewers (
22     Id int PRIMARY KEY,
23     User_name VARCHAR(20) NOT NULL,
24     Rating INT NULL,
25     Review VARCHAR(1000));
26
27 INSERT INTO reviewers ( Id, User_name, Rating, Review)
28 VALUES ( 1, 'Nicole', 4, 'Cannot wait until it comes out');
29
30 INSERT INTO reviewers ( Id, User_name, Rating, Review)
31 VALUES ( 3, 'Jack', 2, 'Trailer looks okay but I doubt the game will be good');
32
33 SELECT * FROM reviewers;
34
```

Data Output Explain Messages Notifications

	<b>id</b> [PK] integer	<b>user_name</b> character varying (20)	<b>rating</b> integer	<b>review</b> character varying (1000)	
1	1	Nicole	4	Cannot wait until it comes out	
2	3	Jack	2	Trailer looks okay but I doubt the game will be good	

## Report on Video Reviews.

- Write a JOIN statement that shows information from both tables.

```
35 SELECT * FROM videos
36 FULL JOIN reviewers
37 ON reviewers.id = videos.id;
```

Data Output Explain Messages Notifications

	<b>id</b> integer	<b>title</b> character varying (300)	<b>length_video</b> integer	<b>url</b> character varying (300)	<b>id</b> integer	<b>user_name</b> character varying (20)	<b>rating</b> integer	<b>review</b> character varying ('
1	1	Marvel Studios' Eternals   Final Trailer	3	https://www.youtube.com/watch?v=x_me3xsvD...	1	Nicole	4	Cannot wait until it
2	3	Reveal Trailer   Call of Duty®: Vanguard	3	https://www.youtube.com/watch?v=OQ1CwPhE...	3	Jack	2	Trailer looks okay b
3	2	Star Wars: Visions   Original Trailer   Disney+	2	https://www.youtube.com/watch?v=lle0NNmvly...	[null]	[null]	[null]	[null]
4	4	HOUSE OF GUCCI   Official Trailer   MGM Studios	2	https://www.youtube.com/watch?v=pGi3Bgn7U...	[null]	[null]	[null]	[null]