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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

CREATE TABLE Asanchez\_video1(

video\_id serial PRIMARY KEY,

video\_title VARCHAR(100) UNIQUE NOT NULL,

video\_min INT,

video\_URL VARCHAR(100) NOT NULL);

SQL= SELECT \*

FROM Asanchez\_video1

INSERT INTO Asanchez\_video1(video\_id,video\_title,video\_duration,video\_url)

VALUES:(17,‘Learn Basic SQL in 15 minutes‘,15, https://youtu.be/kbKty5ZVKMY?si=Yh8wPQD3OJFS0d2a’),

(19‘SQL JOIN I Joins In SQL I Joins IN SQL With Examples I SQL Tutorial For Beginners I Simplilearn,’35,‘https://youtu.be/vncBSUNb4NA?si=jRHhNkfKhkDDmBVL’),

(10,SQL Tutorial for Beginners’,45,‘https://youtu.be/h0nxCDiD-zg?si=EjsLcOLgwVNdKl44’);

1. 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 Asanchez\_video2(

video\_id INT,

video\_title VARCHAR (150)NOT NULL,

user\_first\_name VARCHAR (150) NOT NULL,

user\_last\_name VARCHAR (150) NOT NULL,\_rating INT,

user\_review VARCHAR (150);

SQL= SELECT \*

FROM Asanchez\_video2

INSERT INTO Asanchez\_video2(video\_id,video\_title,user\_first\_name,user\_last\_name,user\_rating,user\_review)

INSERT INTO Asanchez\_video2

VALUES(17, 'Learn Basic SQL in 15minutes','Diana','John',3,'Fair'),

(17,'Learn Basic SQL in 15minutes','Manual','Jorge',6,'Excellent'),

(19,'SQL Join I Joins In SQL I Joins IN SQL With Examples I SQL Tutorial From Beginners I Simplilearn','Leon','Jorge',5,'Great'),

(10,'SQL Tutorial for Beginners','Felix','Jorge',2,'Fair'),

(10,'SQL Tutorial for Beginners','Ana','John',5,'Great'),

(19,'SQL Join I Joins In SQL I Joins IN SQL With Examples I SQL Tutorial From Beginners I Simplilearn','John','Don',7,'Excellent'),

(19,'SQL Join I Joins In SQL I Joins IN SQL With Examples I SQL Tutorial From Beginners I Simplilearn','Diana','John',5,'Poor')

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

SELECT \*

FROM Asanchez\_video1

FULL OUTER JOIN Asanchez\_video2

ON Asanchez\_video1.video\_id=ASanchez\_video2.video\_id;