DROP TABLE rivers\_and\_waterfalls; --dropping table

CREATE TABLE rivers\_and\_waterfalls( Rivers VARCHAR(200), Waterfalls VARCHAR (200)); --creating table

ALTER TABLE rivers\_and\_waterfalls ADD COLUMN episodes VARCHAR(100); --altering table to add column

INSERT INTO rivers\_and\_waterfalls(episodes) SELECT episode FROM bobross; --episodes and episode is the association between bobross table and rivers\_and\_waterfalls table.

UPDATE rivers\_and\_waterfalls SET rivers = (SELECT (

SELECT title FROM bobross WHERE bobross.episode = rivers\_and\_waterfalls.episodes)

)FROM bobross WHERE bobross.episode = rivers\_and\_waterfalls.episodes AND bobross.river= 1; ---subqueries

UPDATE rivers\_and\_waterfalls SET waterfalls = (SELECT (

SELECT title FROM bobross WHERE bobross.episode = rivers\_and\_waterfalls.episodes)

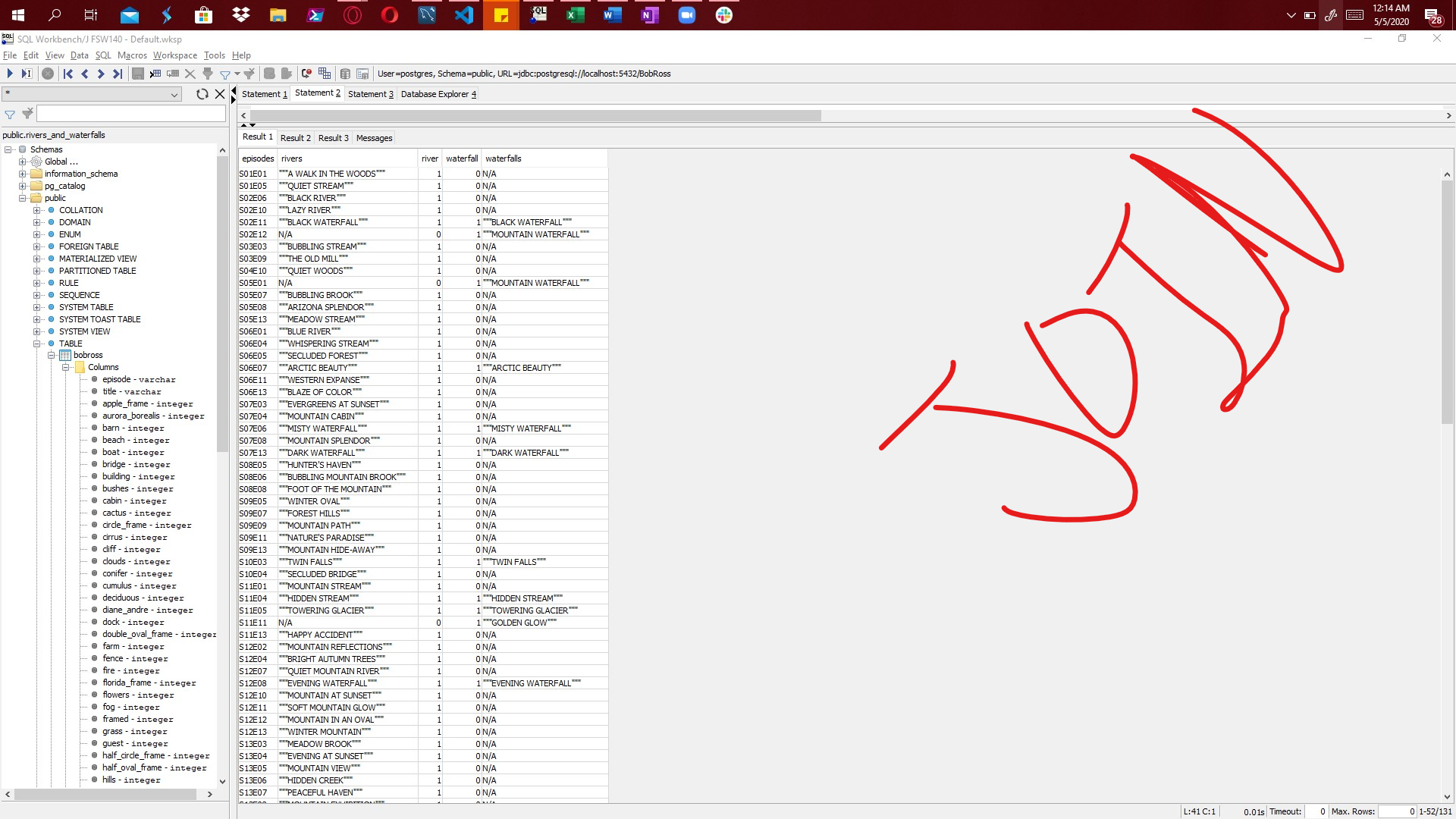
)FROM bobross WHERE bobross.episode = rivers\_and\_waterfalls.episodes AND bobross.waterfall= 1;

DELETE FROM rivers\_and\_waterfalls WHERE waterfalls IS NULL AND rivers IS NULL;

UPDATE rivers\_and\_waterfalls SET rivers = 'N/A' WHERE waterfalls IS NOT NULL AND rivers IS NULL;

UPDATE rivers\_and\_waterfalls SET waterfalls = 'N/A' WHERE rivers IS NOT NULL AND waterfalls IS NULL;

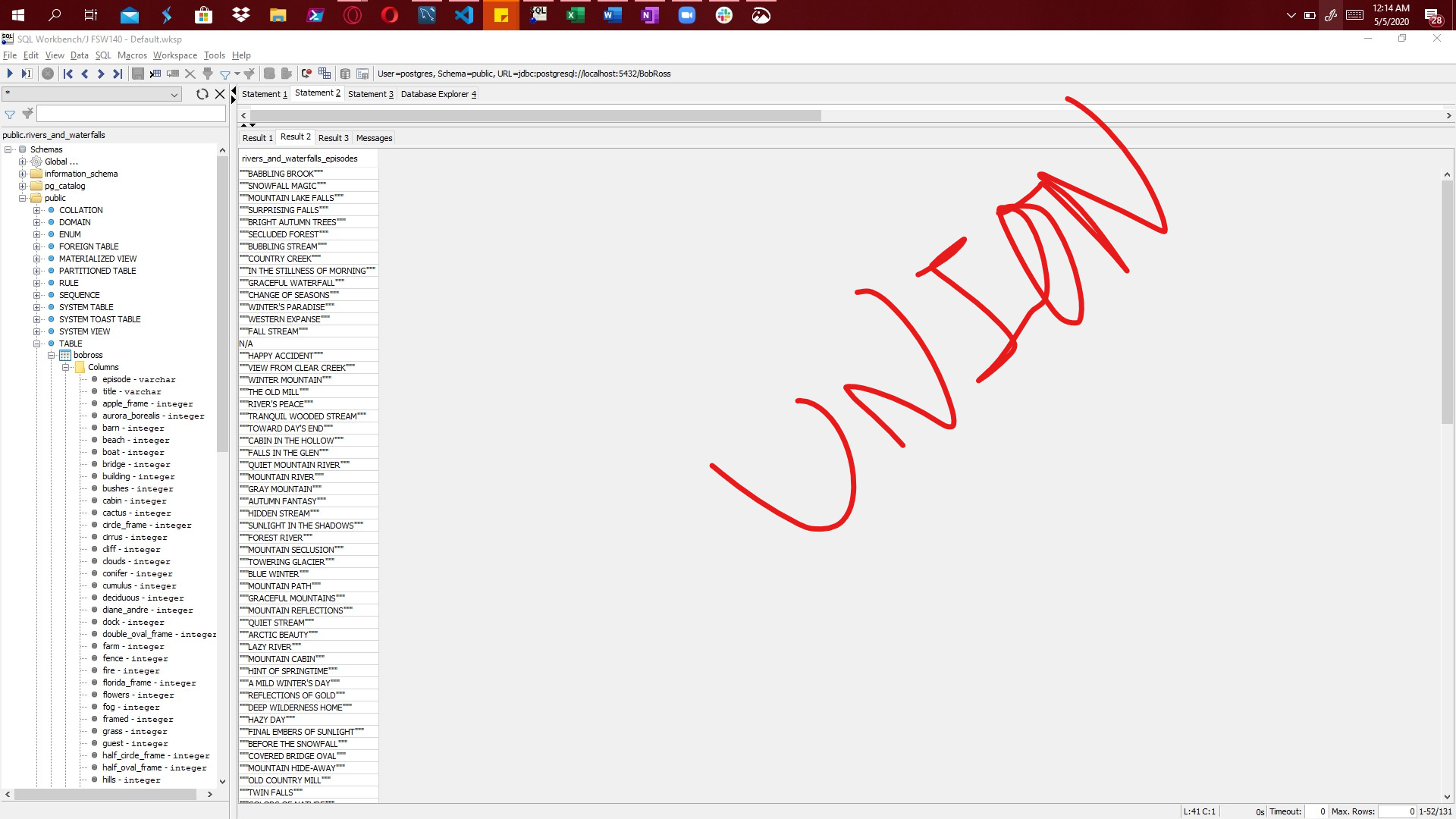
SELECT episodes, rivers, river, waterfall, waterfalls FROM rivers\_and\_waterfalls JOIN bobross ON rivers\_and\_waterfalls.episodes = bobross.episode --multiple table joins



SELECT waterfalls as rivers\_and\_waterfalls\_episodes FROM rivers\_and\_waterfalls

UNION

SELECT rivers FROM rivers\_and\_waterfalls; --set operations; ex: UNION



SELECT DISTINCT COUNT(\*) FROM rivers\_and\_waterfalls WHERE rivers IS NOT NULL AND waterfalls IS NOT NULL GROUP BY rivers; --order of operations = 1 and 5

