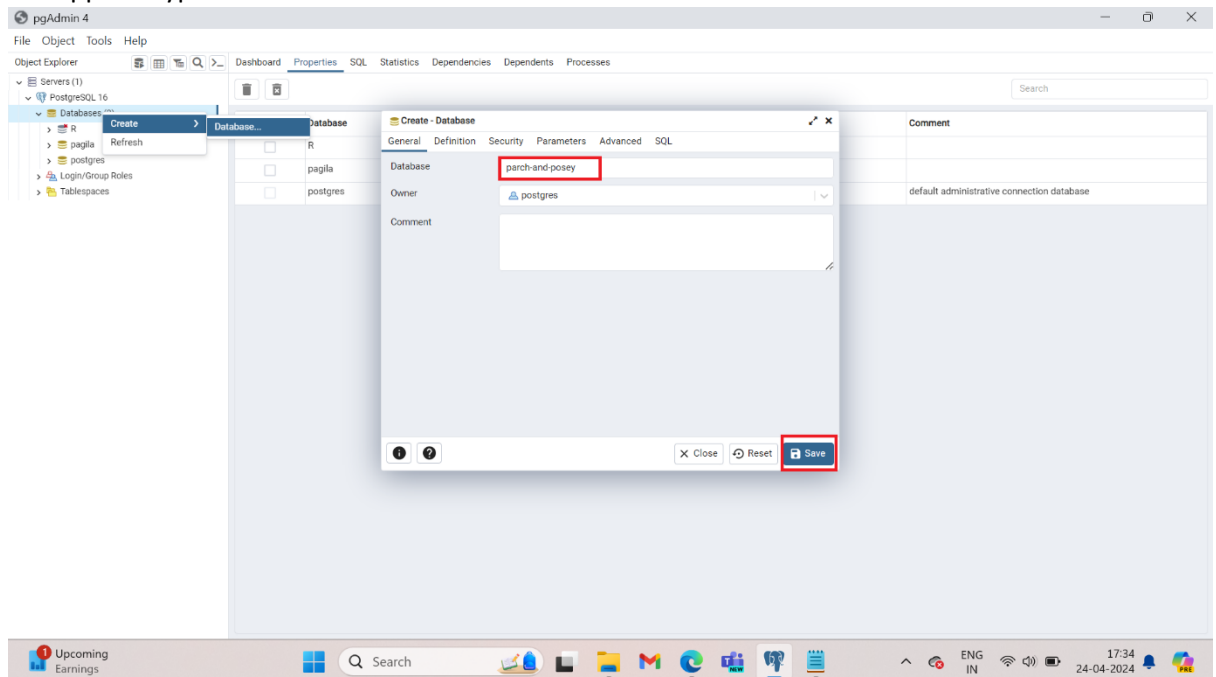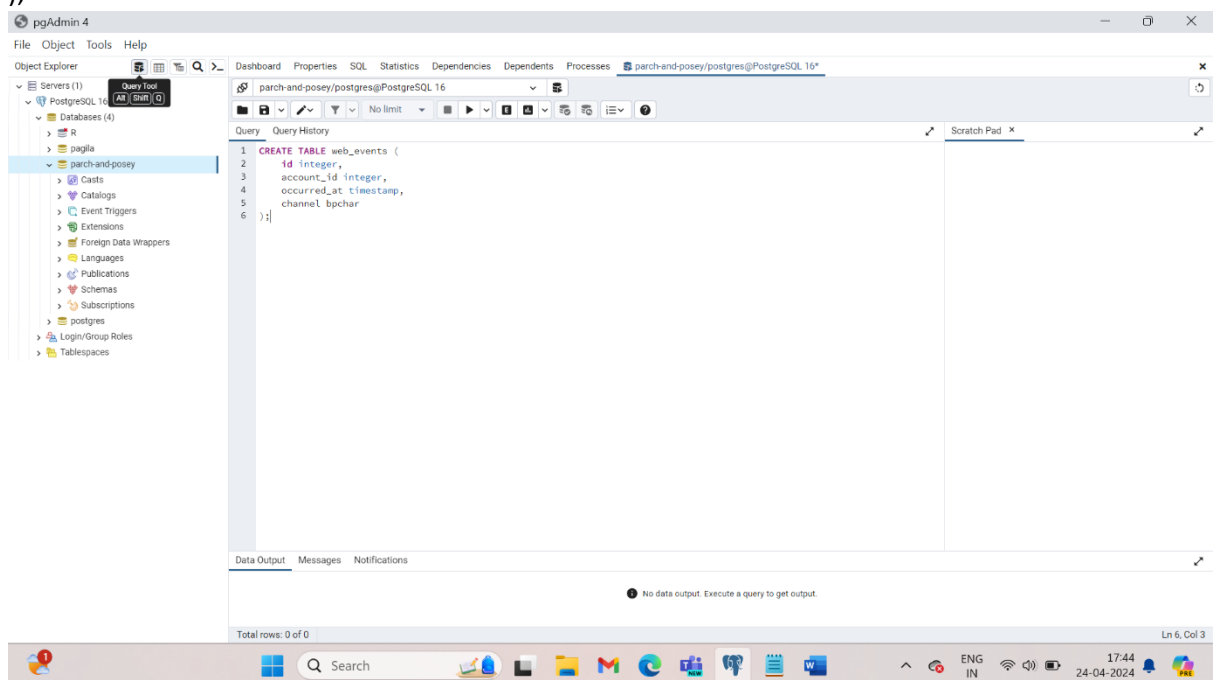## How I built the database for this SQL project

1. Open pgAdmin 4. Navigate to database > right click > create > database. A pop-up window will appear. Type the name > save.
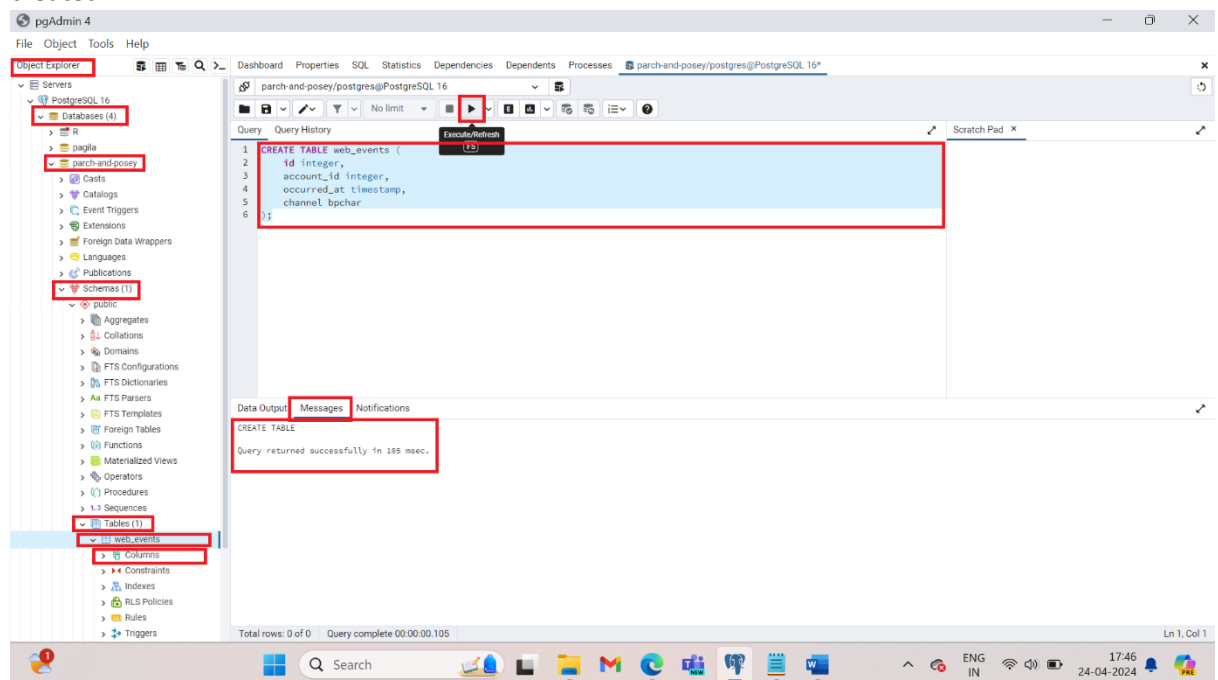

2. Click on the query tool button. Now create the tables in this database
   CREATE TABLE web_events (
   id integer,
   account_id integer,
   occurred_at timestamp,
   channel bpchar
   );

   Select the command > click run/referesh. This will show a message whether the query was successful. Also in the object explorer pane, navigate to Database > parch-and-posey >
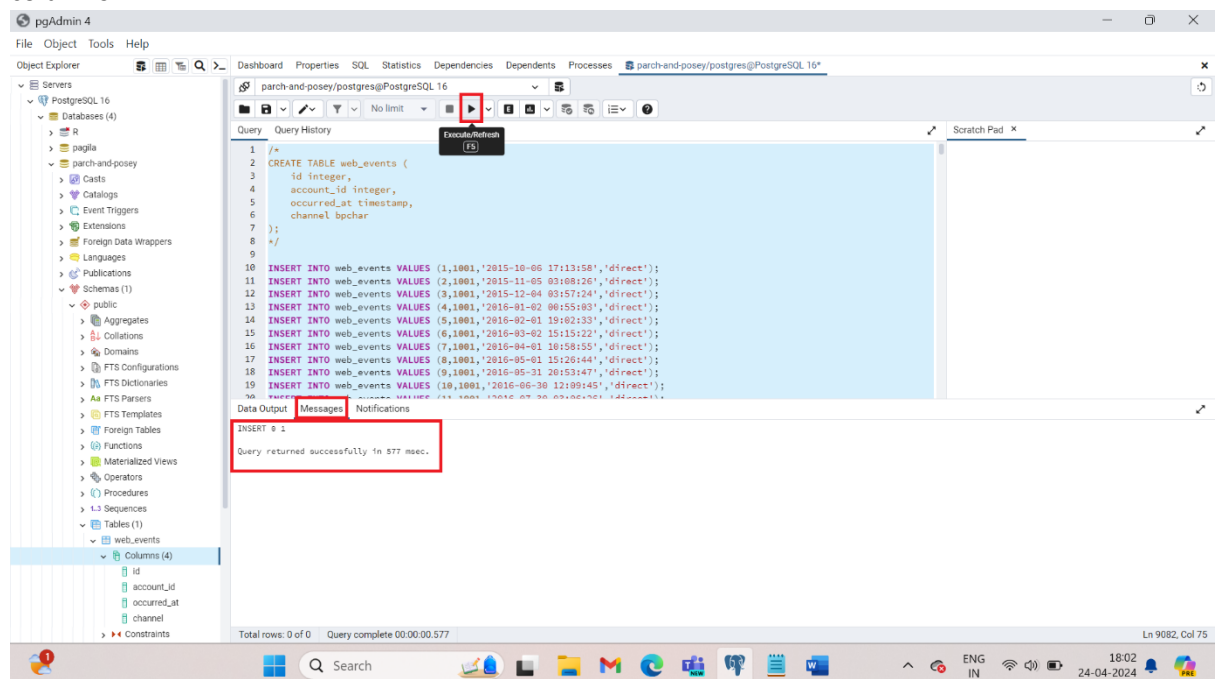
Schemas > tables > web_events > columns. Here you will see all the columns that have been created.

3. Now to insert values in this table type the following:
INSERT INTO web_events VALUES (1,1001,'2015-10-06 17:13:58','direct');
All the contents of this table can be found in the dataset folder web_events file. Run. This will return a message if the query was successful. This table consists of 9073 rows and 4 columns.

To comment a series od commands use the following symbols /* ----*/.

4. Similarly create tables sales_reps (50 rows and 3 columns), region (4rows and 2 columns), orders (6912 rows and 11 columns) and accounts (350 rows and 7 columns)

```
9090  );
9091  */
9092
9093
9094  INSERT INTO sales_reps VALUES (321500,'Samuel Racine',1);
9095  INSERT INTO sales_reps VALUES (321510,'Eugena Esser',1);
9096  INSERT INTO sales_reps VALUES (321520,'Michel Averette',1);
9097  INSERT INTO sales_reps VALUES (321530,'Renetta Carew',1);
9098  INSERT INTO sales_reps VALUES (321540,'Cara Clarke',1);
9099  INSERT INTO sales_reps VALUES (321550,'Lavera Oles',1);
9100  INSERT INTO sales_reps VALUES (321560,'Elba Felder',1);
9101  INSERT INTO sales_reps VALUES (321570,'Shawanda Selke',1);
9102  INSERT INTO sales_reps VALUES (321580,'Sibyl Lauria',1);
9103  INSERT INTO sales_reps VALUES (321590,'Necole Victory',1);
9104  INSERT INTO sales_reps VALUES (321600,'Ernestine Pickron',1);
9105  INSERT INTO sales_reps VALUES (321610,'Ayesha Monica',1);
9106  INSERT INTO sales_reps VALUES (321620,'Retha Sears',1);
9107  INSERT INTO sales_reps VALUES (321630,'Julia Behrman',1);
9108  INSERT INTO sales_reps VALUES (321640,'Tia Amato',1);
9109  INSERT INTO sales_reps VALUES (321650,'Akilah Drinkard',1);
```

Data Output   Messages   Notifications

INSERT 0 1

Query returned successfully in 76 msec.

Total rows: 0 of 0   Query complete 00:00:00.076   Ln 9094, Col 1

```
9081  INSERT INTO web_events VALUES (9072,4451,'2016-12-16 03:21:51','organic');
9082  INSERT INTO web_events VALUES (9073,4501,'2016-05-30 00:46:53','organic');
9083  */
9084
9085
9086  CREATE TABLE sales_reps (
9087      id integer,
9088      name bpchar,
9089      region_id integer
9090  );
9091
9092
9093
9094
9095
9096
9097
9098
9099
9100
```

Data Output   Messages   Notifications

CREATE TABLE

Query returned successfully in 70 msec.

Total rows: 0 of 0   Query complete 00:00:00.070   Ln 9086, Col 1

Now we have 5 tables created in our database.

pgAdmin 4

File Object Tools Help

Object Explorer

Dashboard Properties SQL Statistics Dependencies Dependents Processes parch-and-posey/postgres@PostgreSQL 16*

parch-and-posey/postgres@PostgreSQL 16

Query Query History

```
16423  INSERT INTO accounts VALUES (4381,'BorgWarner','www.borgwarner.com',36.1616686,-115.15042141,'Jamel Mosqueda',321970);
16424  INSERT INTO accounts VALUES (4391,'PVH','www.pvh.com',36.16542263,-115.14697955,'Parker Hoggan',321980);
16425  INSERT INTO accounts VALUES (4401,'Ball','www.ball.com',36.15614254,-115.13748599,'Tuan Trainer',321990);
16426  INSERT INTO accounts VALUES (4411,'O''Reilly Automotive','www.oreillyauto.com',45.53170724,-122.64535975,'Chantell Dresch
16427  INSERT INTO accounts VALUES (4421,'Eversource Energy','www.eversource.com',45.50830191,-122.66577523,'Paige Bartos',3219
16428  INSERT INTO accounts VALUES (4431,'Franklin Resources','www.franklinresources.com',45.53389437,-122.68221497,'Dominique
16429  INSERT INTO accounts VALUES (4441,'Masco','www.masco.com',45.54969277,-122.64617499,'Terrilyn Kesler',321980);
16430  INSERT INTO accounts VALUES (4451,'Lithia Motors','www.lithia.com',45.50439475,-122.64053469,'Nannie Brinkman',321960);
16431  INSERT INTO accounts VALUES (4461,'KKR','www.kkr.com',45.54535285,-122.65524711,'Buffy Azure',321970);
16432  INSERT INTO accounts VALUES (4471,'Oneok','www.oneok.com',45.51351286,-122.68150011,'Esta Engelhardt',321960);
16433  INSERT INTO accounts VALUES (4481,'Newmont Mining','www.newmont.com',45.49411669,-122.66946042,'Khadijah Riemann',321970
16434  INSERT INTO accounts VALUES (4491,'PPL','www.pplweb.com',45.49172048,-122.67187978,'Deanne Hertlein',321960);
16435  INSERT INTO accounts VALUES (4501,'SpartanNash','www.spartannash.com',45.55565141,-122.65714478,'Jewell Likes',321970);
16436  COMMIT;
16437
16438  */
16439
16440
16441
```

Data Output Messages Notifications

```
WARNING: there is no transaction in progress
COMMIT

Query returned successfully in 71 msec.
```

Total rows: 0 of 0   Query complete 00:00:00.071   Ln 16437, Col 1

21°C Partly sunny

ENG IN   19:05 24-04-2024

---

pgAdmin 4

File Object Tools Help

Object Explorer

Dashboard Properties SQL Statistics Dependencies Dependents Processes parch-and-posey/postgres@PostgreSQL 16*

parch-and-posey/postgres@PostgreSQL 16

Query Query History

```
9141  INSERT INTO sales_reps VALUES (321970,'Georgianna Chisholm',4);
9142  INSERT INTO sales_reps VALUES (321980,'Micha Woodford',4);
9143  INSERT INTO sales_reps VALUES (321990,'Dawna Agnew',4);
9144  */
9145
9146  CREATE TABLE region (
9147      id integer,
9148      name bpchar
9149  );
9150  INSERT INTO region VALUES (1,'Northeast');
9151  INSERT INTO region VALUES (2,'Midwest');
9152  INSERT INTO region VALUES (3,'Southeast');
9153  INSERT INTO region VALUES (4,'West');
9154
9155
9156
9157
9158
9159
9160
```

Data Output Messages Notifications

```
INSERT 0 1

Query returned successfully in 138 msec.
```

Total rows: 0 of 0   Query complete 00:00:00.138   Ln 9154, Col 1

ENG IN   18:28 24-04-2024