Important

Download postgreSQL step by step and create import for parch and posey triangular_flag_on_post tables.

Summary: In this tutorial, I will show you how to install PostgreSQL on your PC so that you can learn and practice SQL language plus I will show you how to import tables for the data analysis path in this initiative .

So you will be taught how to download the program

In addition to your knowledge of how to do import tables

Learn how to write commands in the query tool

Download the postgre installer to your device

First you need to go to the PostgreSQL download page via the following link

https://www.enterprisedb.com/downloads/postgres-postgresql-downloads

After clicking on the previous link, this page will appear

PostgreSQL Database Download

PostgreSQL Version	Linux x86-64	Linux x86-32	Mac OS X	Windows x86-64	Windows x86-32
12.0	N/A	N/A	Download	Download	N/A
11.5	N/A	N/A	Download	Download	N/A
10.10	Download	Download	Download	Download	Download
9.6.15	Download	Download	Download	Download	Download
9.5.19	Download	Download	Download	Download	Download
9.4.24	Download	Download	Download	Download	Download
9.3.25 (Not Supported)	Download	Download	Download	Download	Download

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OK, I agree

5:47 PM 10/5/2019

We note that on this page there is a special link for each type of operating system. If the operating system is in your Mac, you will look at the column at the bottom of the mac, even if the windows are * of type 32, look below

windowsx86-32

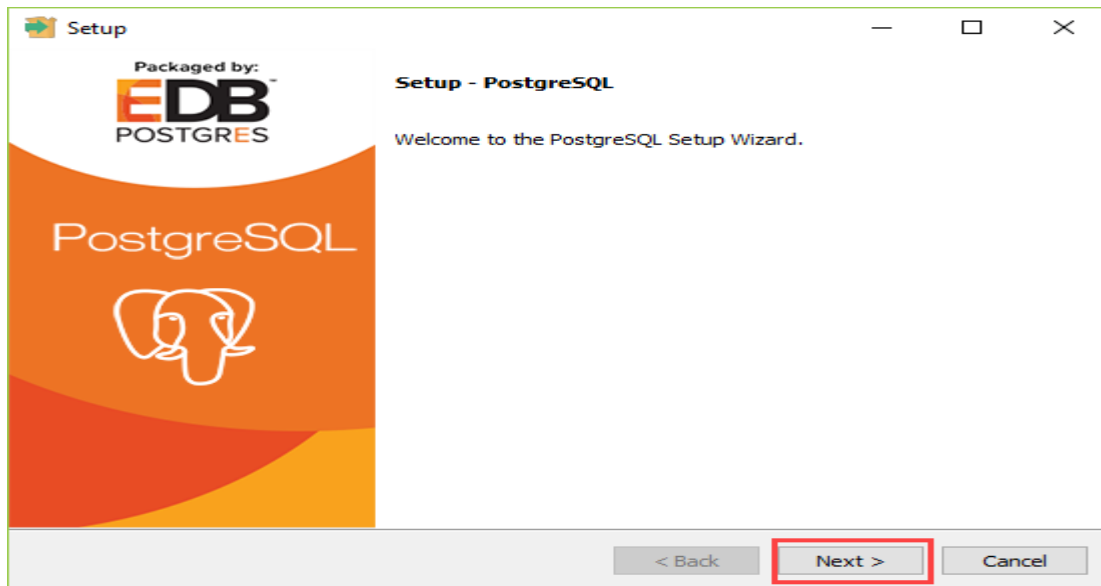And if it is a type of windows 64, it has its own column as well

Now after clicking on the download link, it will take a few minutes to finish downloading

I downloaded PostgreSQL 10.12 for all systems or 12.2 for the windows

Download PostgreSQL step by step

1--click on the download program file you downloaded

2- This screen will appear click on Next

3- Now a screen will appear for you to specify the place to install the program on your device, place the place you want or keep it in the same default location that it set and then click Next
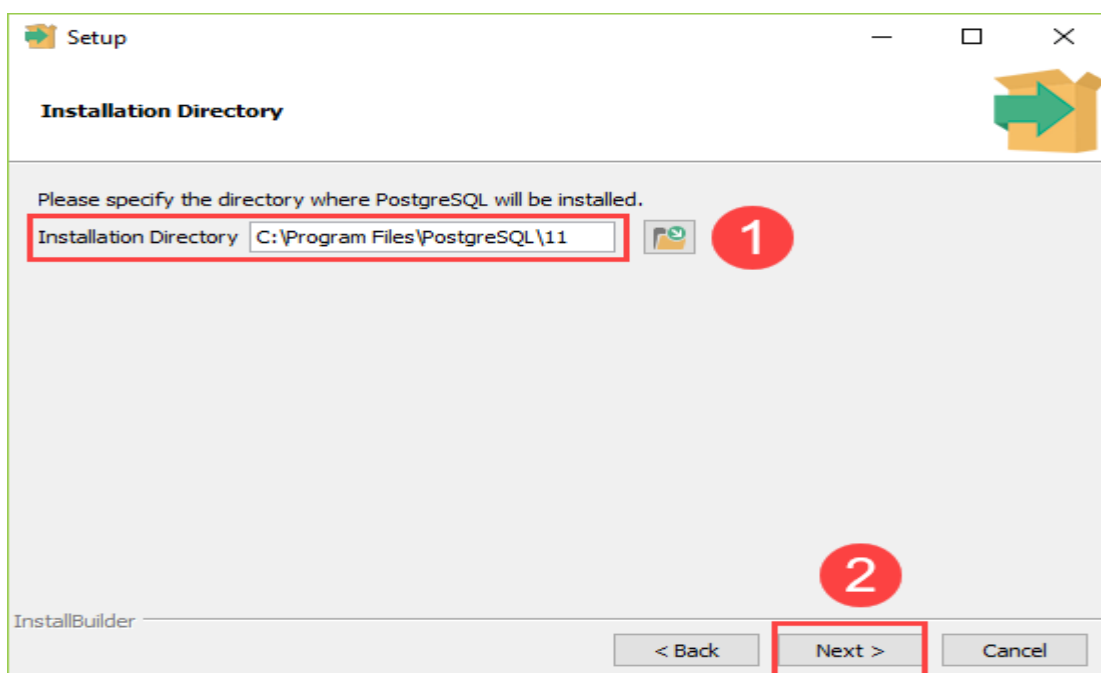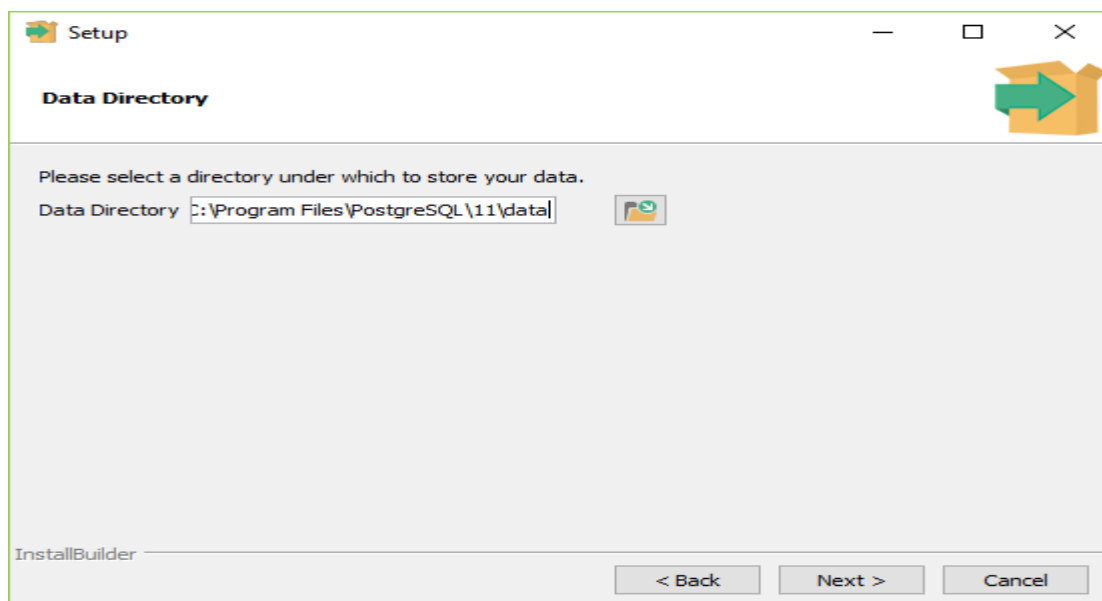
4- Choose the tools you want to download Better to choose everything except Stack Builder because they have additional tools that are not required by us
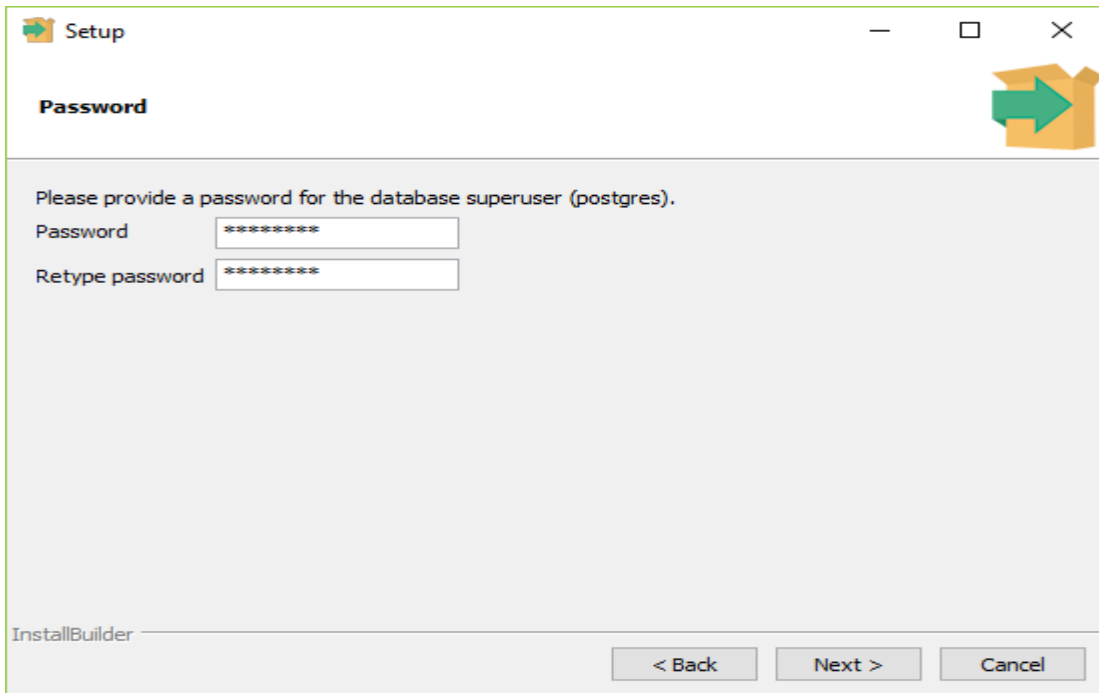
Now click Next
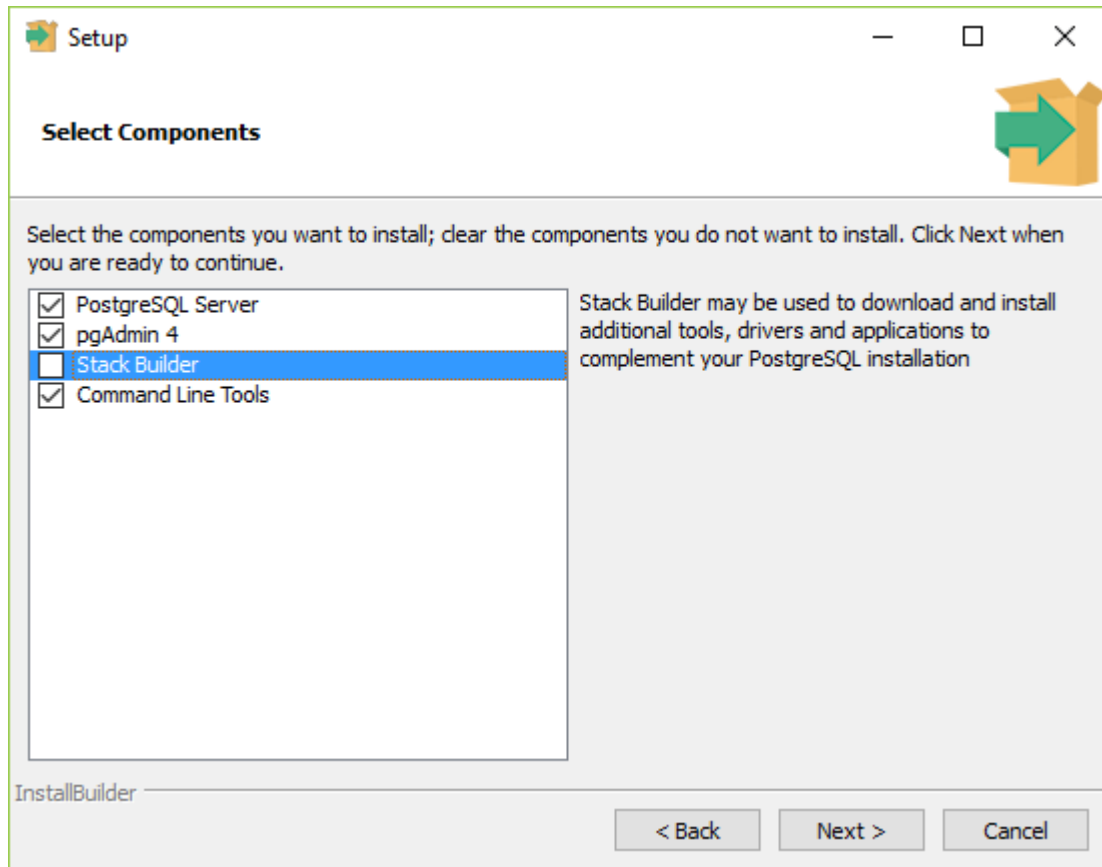
5- Choose where you want to save the Data Directory, you can keep the default location, then click Next

6- **Put a database postgre password and make sure you don't forget it because we will use it later**
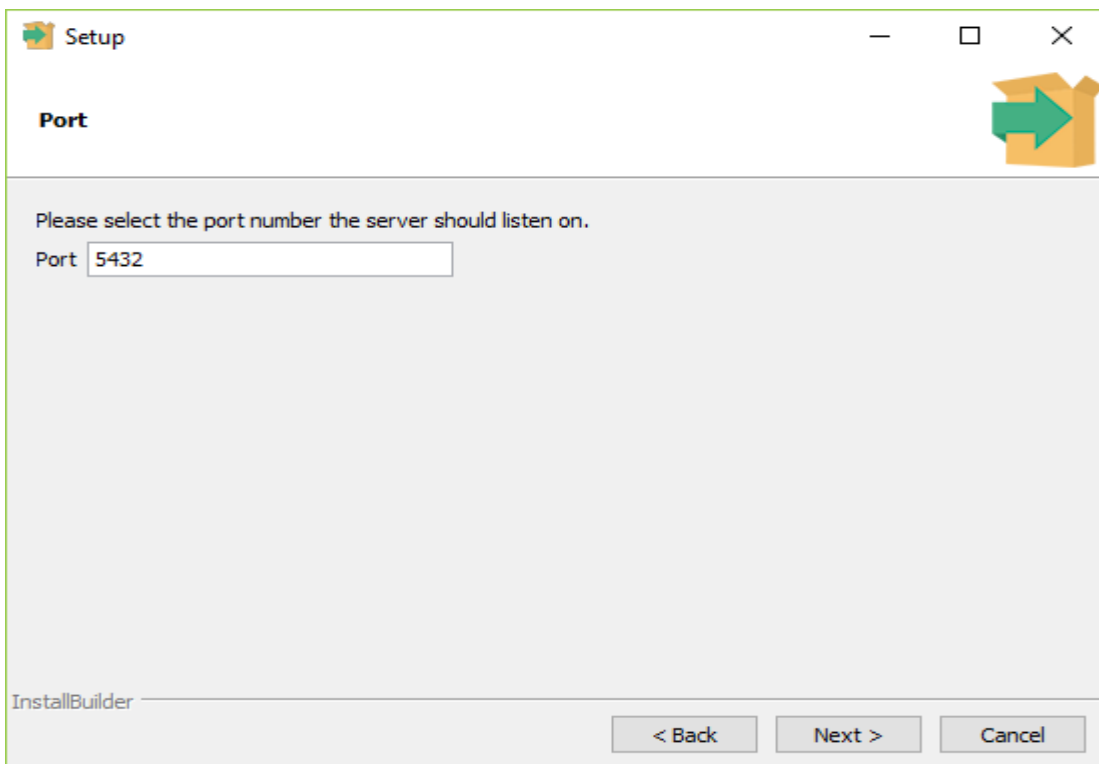
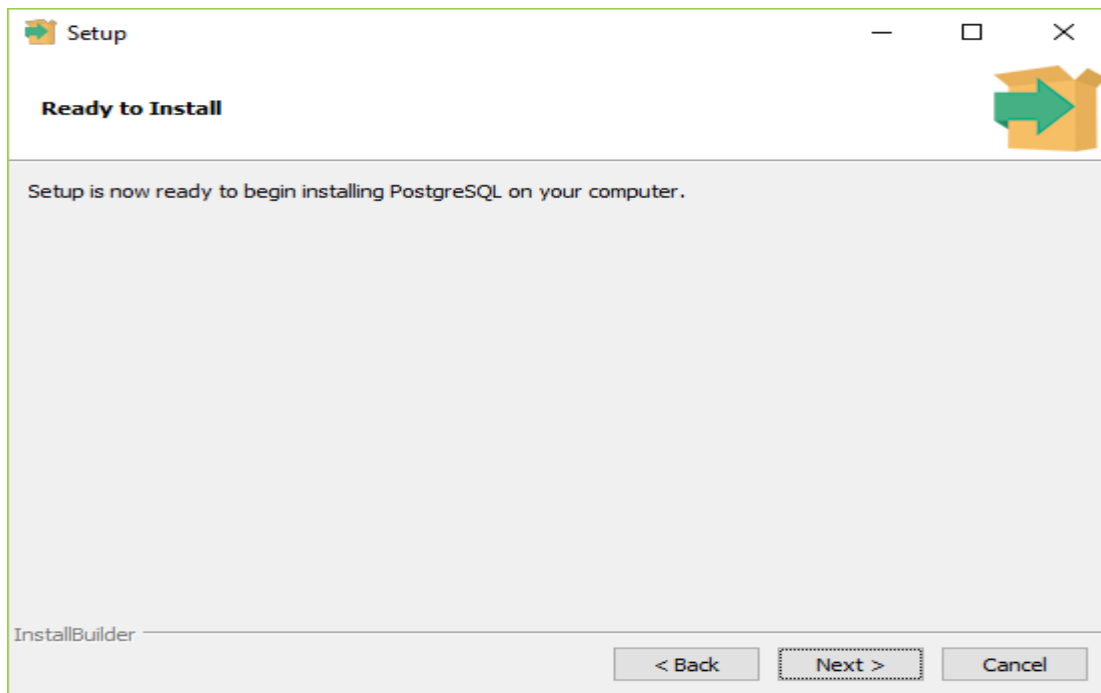7- **Set the port for the postgre. Make sure that this port does not use any other program if you are not sure. Keep it to default, then put Next**
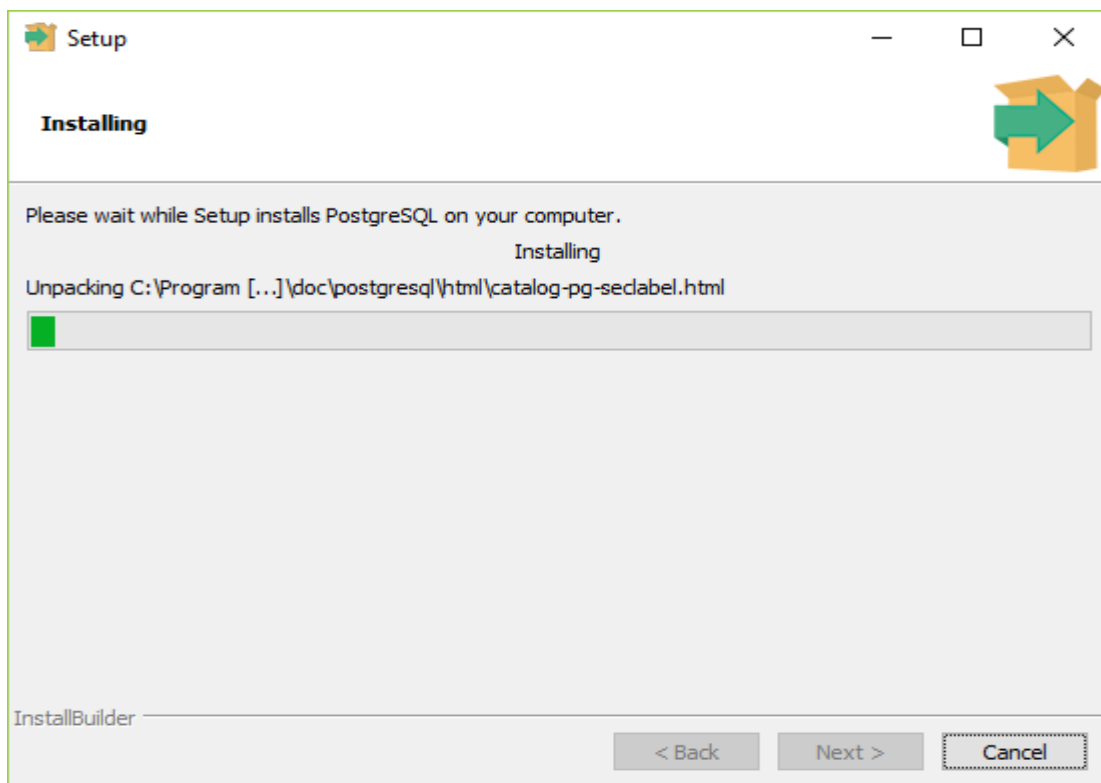
8- You will see a screen choose "Default local" then put "Next"

9- will show you a screen informing you that it is ready to download, click Next to start downloading immediately

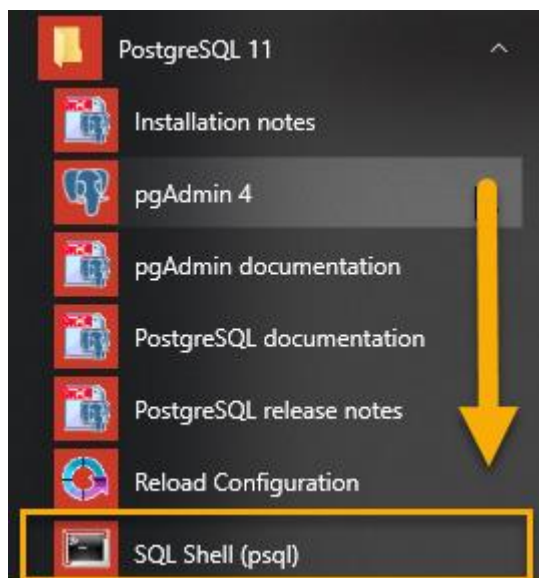**10- A screen will appear to show you that it started downloading ... take some time**

11- Click finish to finish downloading

Verify the installation

Now we will check the download in addition

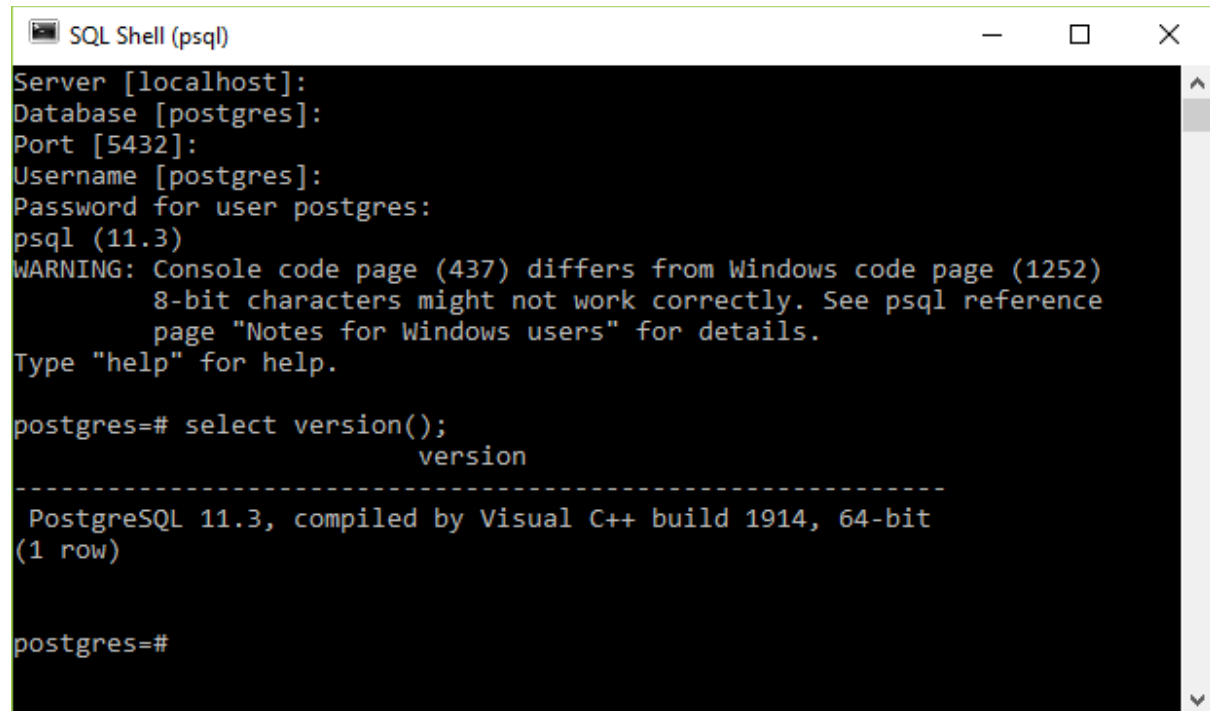Click psql icon to check the installation as follows

A screen will appear for you to fill in your information

server, database, port, username, and password

Set the password you entered before and then keep everything as it is Enter

Then the screen will write

SELECT version();
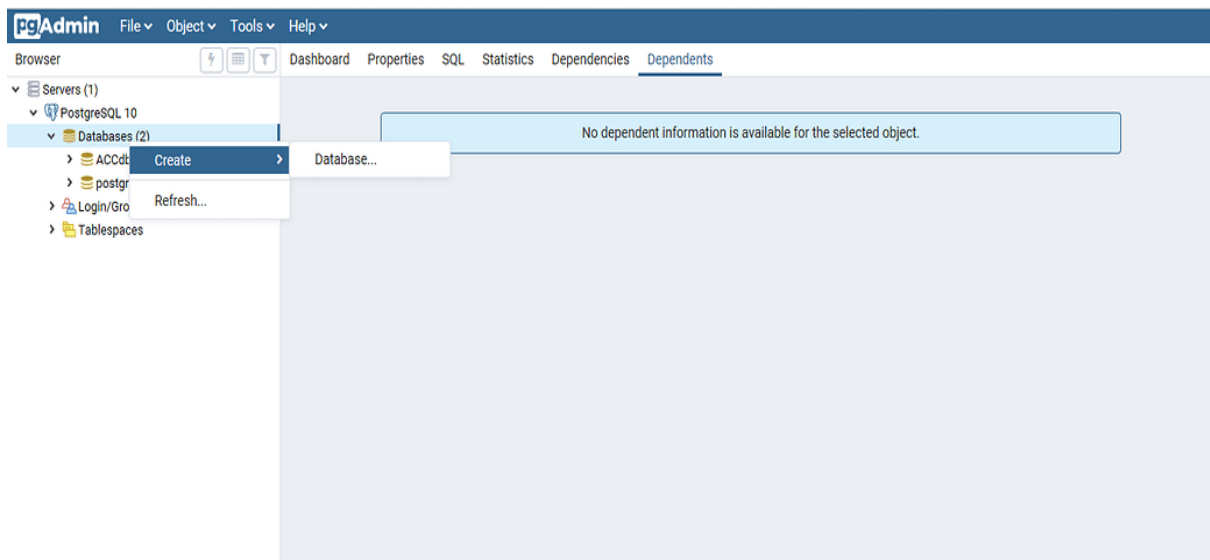

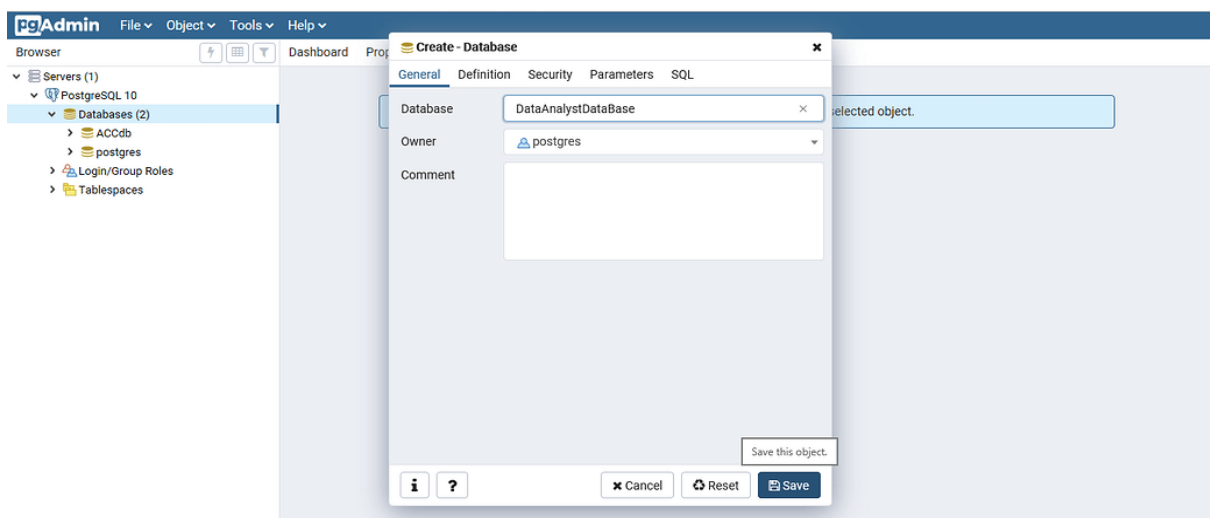We have finished postge upload successfully

Now we want to create a database in which to put the data for the tables in the course of Parch and posey data analysis .
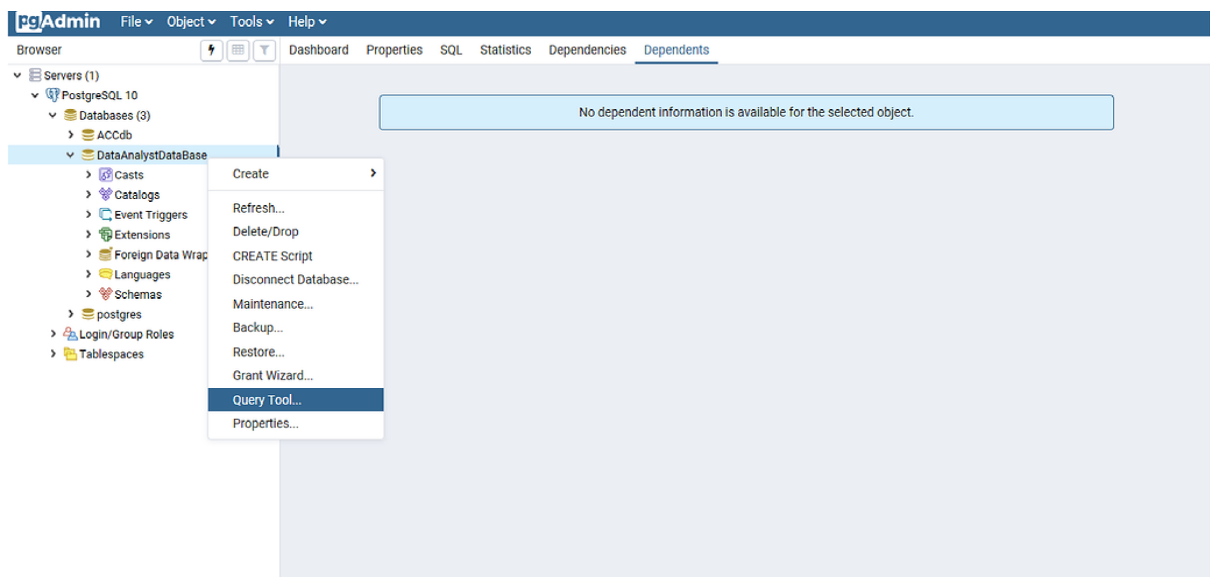
The first thing we open pgadmin 4

Then right click on Databases, then choose Create, then Database

Now choose a name for the new database and click Save

Now right click on the database you created and choose query tool

Now we will create the tables in parch and posey

Copy the following code and place it in the query tool

CREATE TABLE region(id int primary key, name varchar(100));

CREATE TABLE sales_rep(id int primary key, name varchar(100), region_id int
REFERENCES region(id));

CREATE TABLE account(id int primary key, name varchar(100), website varchar(100),
lat numeric, long numeric,
primary_poc varchar(100),
sales_rep_id int REFERENCES sales_rep(id));

CREATE TABLE orders(id int primary key, account_id int REFERENCES account(id),
occurred_at date,
standard_qty numeric,
gloss_qty numeric, poster_qty numeric,
total numeric, standard_amt_usd numeric,
gloss_amt_usd numeric,
poster_amt_usd numeric, total_amt_usd numeric);

CREATE TABLE web_events(id int primary key, account_id int REFERENCES
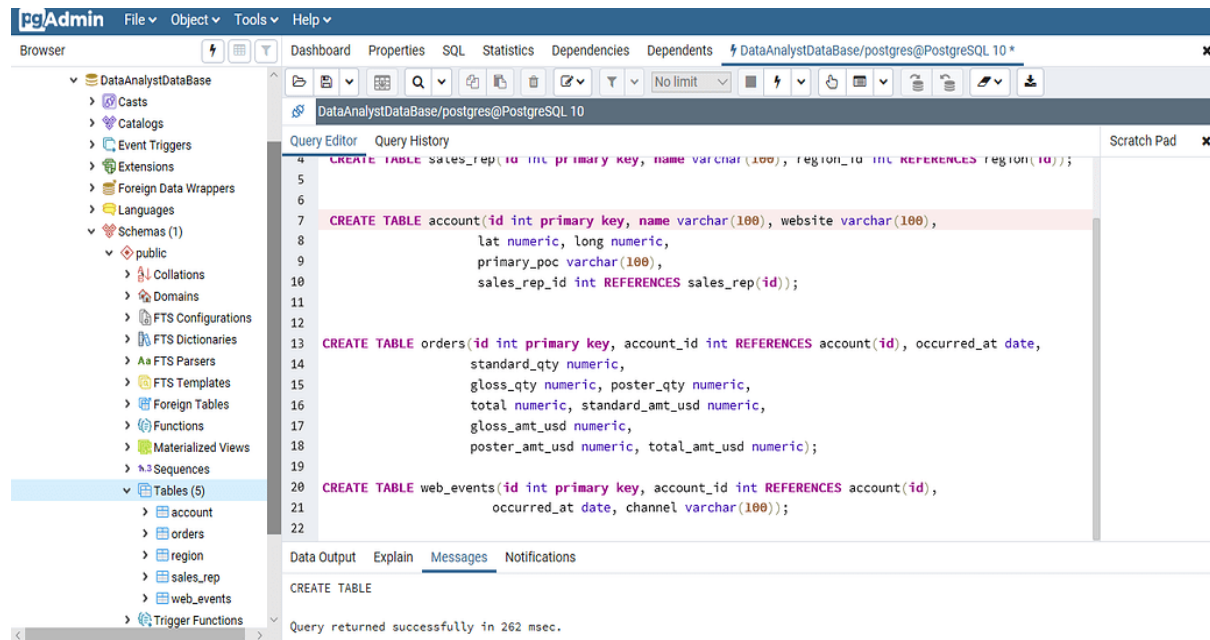account(id),
occurred_at date, channel varchar(100));

*Click on the activate button after copying the previous code as follows. Of course,
highlight the entire code before pressing the implement button.*
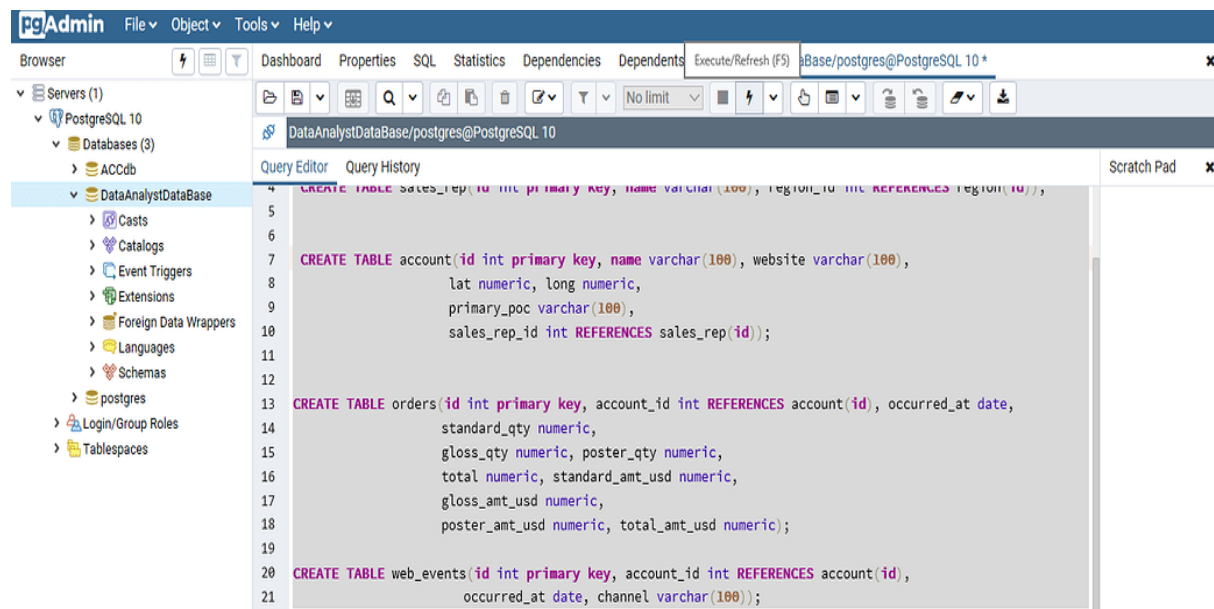
Now make sure that the five tables have been created

You can confirm this by clicking on the schemas below the database you created

As follows

Now that we've created the tables, we're going to fill them in with parch and posey datas

But before that you will download the following five tables of link
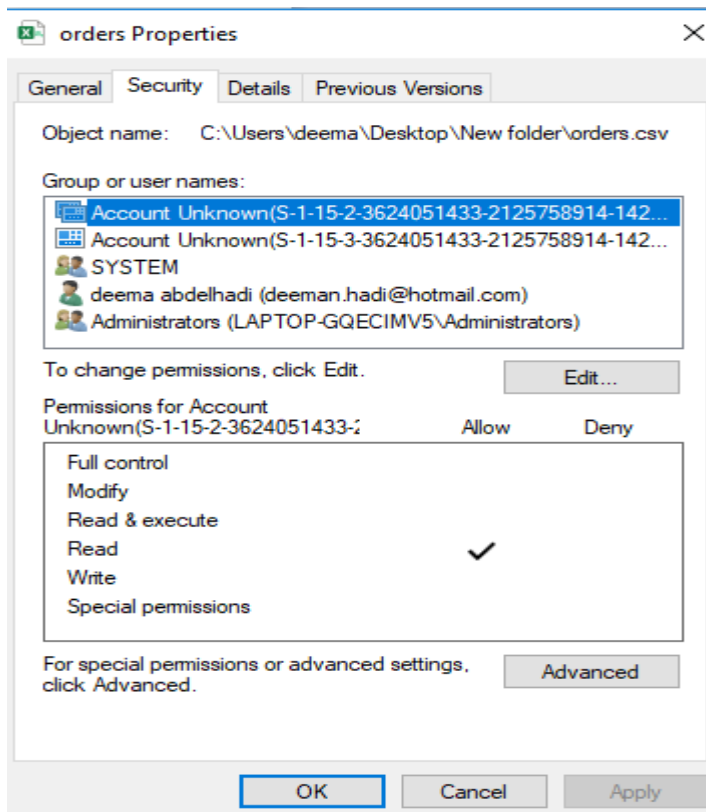
https://drive.google.com/open?id=1SrI1e3vcPvH6Knlfw_t16g5YKsDC6fi0

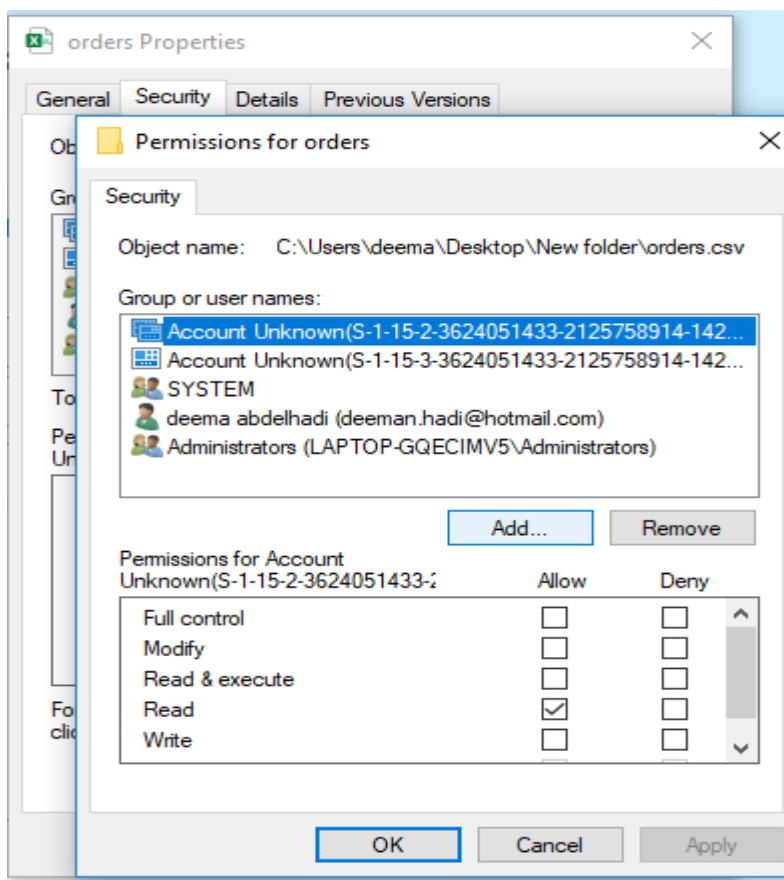Now that you have loaded them

Change the security properties for all of them so that pgadmin can read the data in it

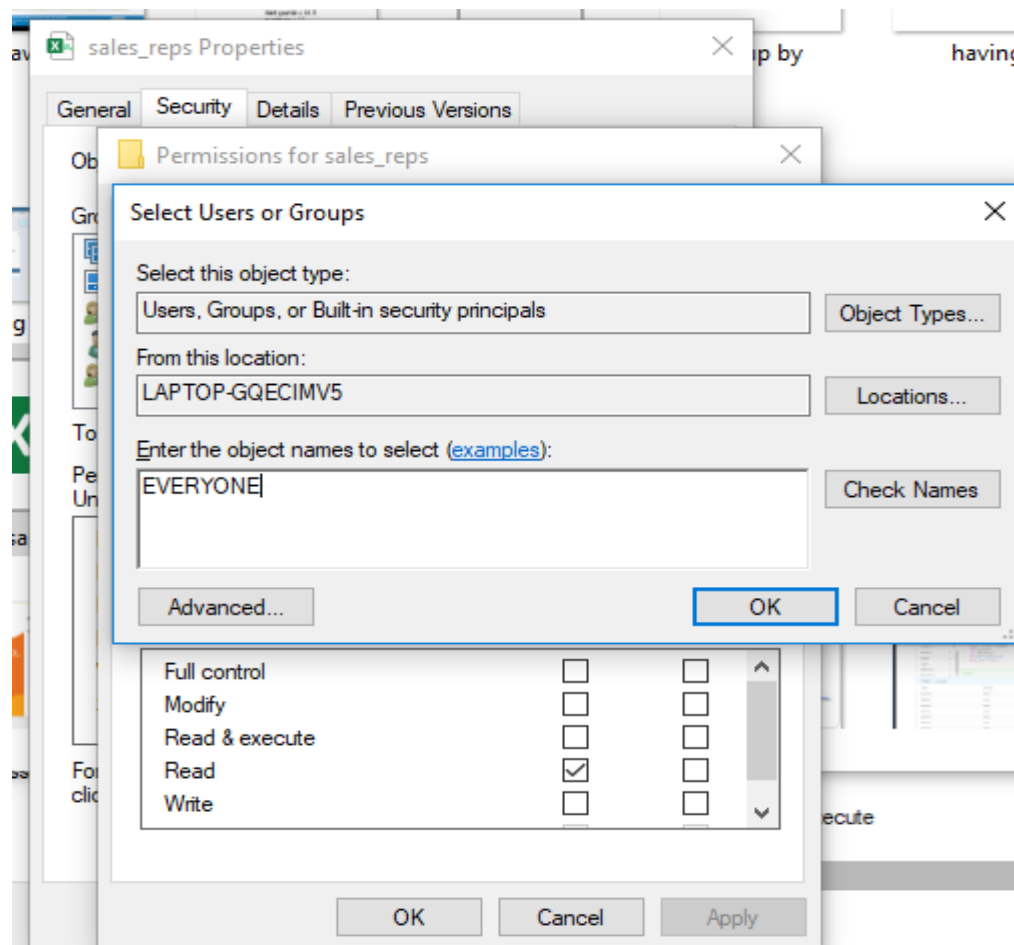Right click on each file and then click on the security tab
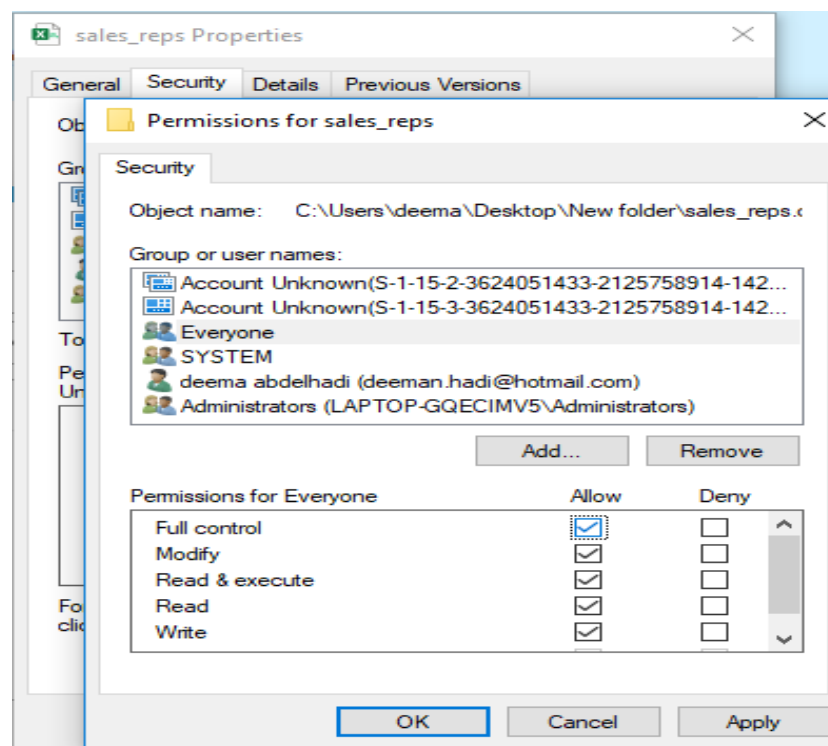
Then select edit

Then press the add button

Enter the name of the group name, be EVERYONE, then press ok

Select Fullcontrol

Then click apply and then ok

Of course, change the security of all parch and posey files

Now go back to pgadmin 4 and right click on the database you created

Put the following instruction

```
COPY web_events FROM 'e.g(/home/mohamed/Downloads/web_events.csv)'
DELIMITER ',' csv HEADER;
```

Be careful to change the location after eg, according to the location where you saved the parch and posey files

*Where you will create an import for a file file*

Change the name after copy to the name of the table you will fill in with the data from the parch and posey files

So we have created a database in which all the data in the course and thus you can apply and practice on your personal device through success

Nots:The arrangement is very important because in relationships between tables, a table cannot be created if the table to which it is linked has not been created

I mean, when a table has a foreign key from another table, it cannot be created unless the table from which we brought the foreign has been created

Note the ER chart, the only table in which there is no foreign key is the region, so we started with it
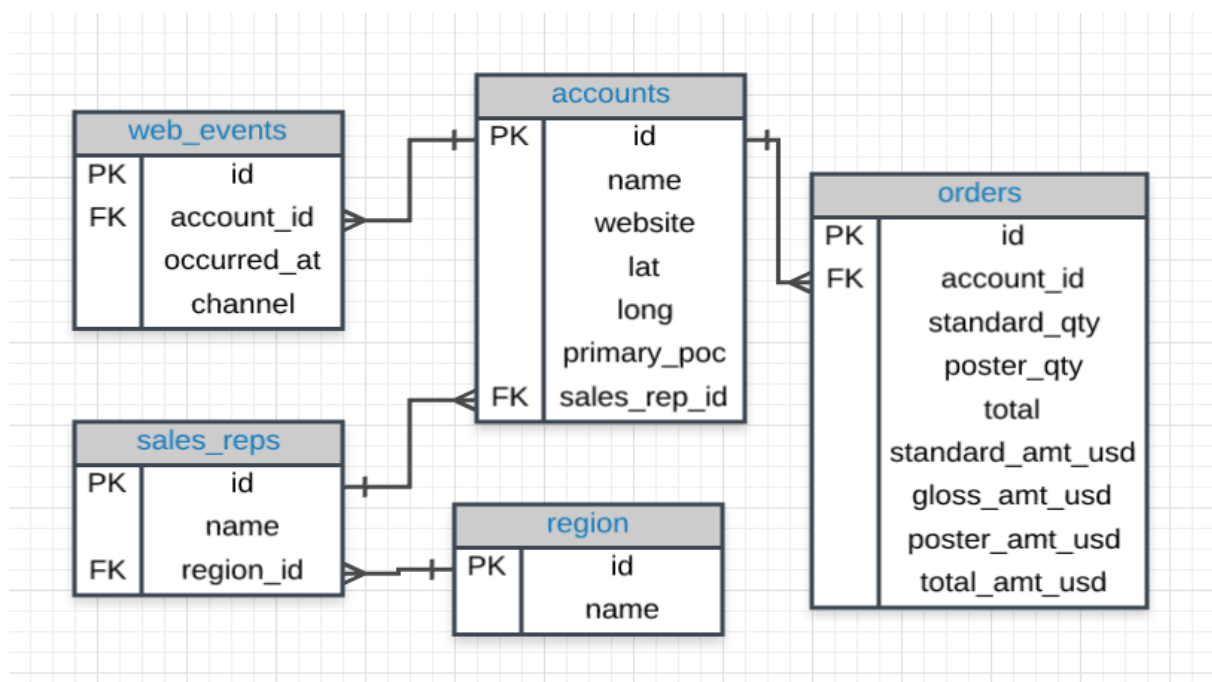
```sql
CREATE TABLE account(id int primary key, name varchar(100), website
varchar(100),
                              lat numeric, long numeric,
                              primary_poc varchar(100),
                              sales_rep_id int REFERENCES
sales_rep(id))

CREATE TABLE sales_rep(id int primary key, name varchar(100), region_id
int REFERENCES region(id))

CREATE TABLE orders(id int primary key, account_id int REFERENCES
account(id), occurred_at date,
                              standard_qty numeric,
                              gloss_qty numeric, poster_qty numeric,
                              total numeric, standard_amt_usd numeric,
                              gloss_amt_usd numeric,
                              poster_amt_usd numeric, total_amt_usd
numeric)

CREATE TABLE web_events(id int primary key, account_id int REFERENCES
account(id),
                                   occurred_at date, channel varchar(100))

CREATE TABLE region(id int primary key, name varchar(100))
```