Launching the database:

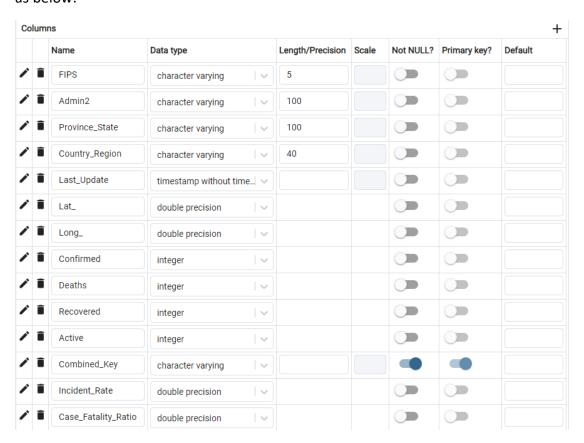
First: click start lab button, then click AWS after it's green.

Click the database on the left side and go to security groups and edit inbound rules, Modify the rule by clicking using "my IP" and then pgAdmin can connect to the server.

Second: open pgAdmin and type in username and password set in advance on AWS service, done!

Creating the new tables:

First: click schema \rightarrow tables and right click create table, then go to the column tab to key in the titles of all the columns and specify all the types for the two tables as below:



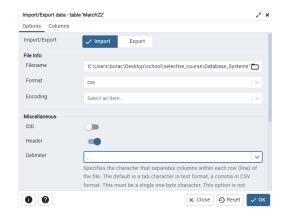
(Combined Key is set to be the primary key)

Then right click import data and choose the csv file, turn on the header option and

choose the comma as the delimiter.

Tables created!

And then we can type SQL queries In the 'SQL' tag now.



Queries & results:

a.

```
sum bigint 

1 770314
```

b.

```
1 select "Country_Region"
    from (select "Country_Region", "Last_Update", sum("Confirmed")
3
          from "March22"
          group by "Country_Region", "Last_Update"
4
 5
          select "Country_Region", "Last_Update", sum("Confirmed")
6
          from "March23"
7
          group by "Country_Region", "Last_Update"
8
9
         ) as tmp
   where(sum > 1000000 and Date("Last_Update") = '2022-03-24')
10
```

	Country_Region character varying (40)		Peru
1	India	30	South Africa
		31	Romania
2	Sweden	32	Croatia
3	Iraq	33	Australia
4	US	34	Vietnam
5	France	35	Serbia
6	Georgia	36	Philippines
7	Argentina	37	Thailand
8	Bangladesh	38	Lithuania
9	Russia	39	Netherlands
10	Indonesia	40	Turkey
11	Czechia	41	Italy
12	Morocco	42	Poland
13	Austria	43	Canada
14	Lebanon	44	Tunisia
15	Korea, South	45	China
16	Slovakia	46	Greece
17	Colombia	47	Cuba
18	Belgium	48	Singapore
19	Mexico	49	Jordan
20	United Kingdom	50	Brazil
21	Chile	51	Malaysia
22	Norway	52	Iran
23	Israel	53	Japan
24	Spain	54	Hungary
25	Kazakhstan	55	Pakistan
26	Switzerland	56	Bulgaria
27	Ireland	57	Portugal
28	Denmark	58	Germany

```
c.
```

```
1 select sec. "Country_Region" as "Country_Region", sec.sum-fir.sum as "New_Case"
from ((select "Country_Region", sum("Confirmed")
         from "March22"
3
        group by "Country_Region") as fir
4
5
         inner join
         (select "Country_Region", sum("Confirmed")
6
7
         from "March23"
8
         group by "Country_Region") as sec
         on fir."Country_Region" = sec."Country_Region"
9
10
11 where sec.sum-fir.sum > 100000
```

4	Country_Region character varying (40)	New_Case bigint □
1	France	154118
2	Korea, South	395589
3	United Kingdom	103078
4	Germany	158385
5	Vietnam	140837