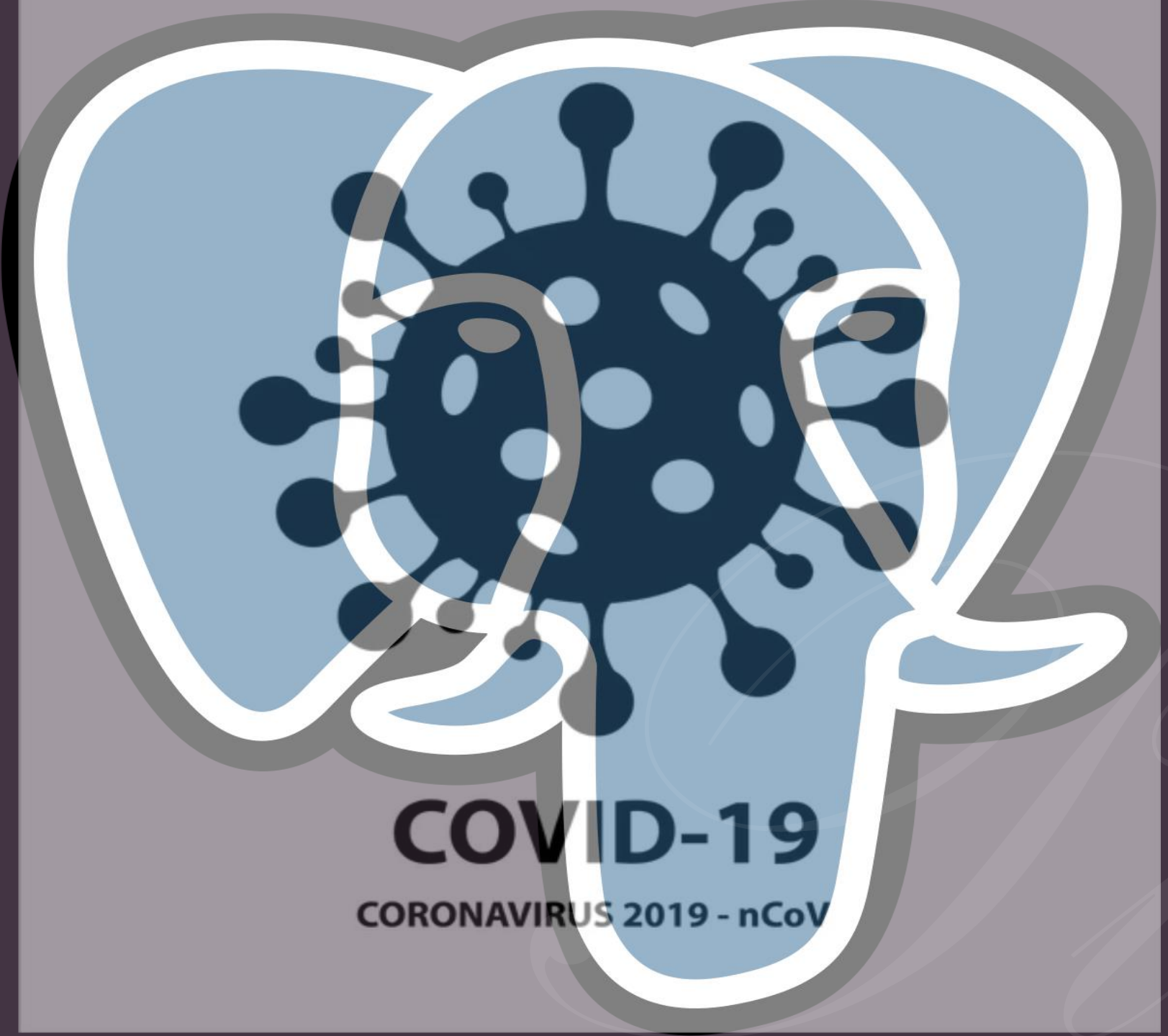


SQL PROJECT COVID19

Harshil Trivedi

ABOUT PROJECT

The objective of the project is to gain insights about the effect of Covid 19 to all over world continents and countries.

Source of Data :
https://ourworldindata.org/

FUNCTIONS AND SQL THAT USED IN THE PROJECT

- PostgreSQL
- JOINS
- Table creation
- Groupby
- Max
- Avg

STEPS COVERED

DATA COLLECTION

The CSV file has been downloaded from the website and performed raw data cleaning

NEW DB AND TABLE CREATION

Database and 2 new table named CovidDeaths and CovidVaccination has been created for data source

QUERY COLLECTION

Queries has been collected to solve different questions

QUERY SOLUTION

Queries has been solved using different functions and prompts

TABLE 1 - COVID DEATHS

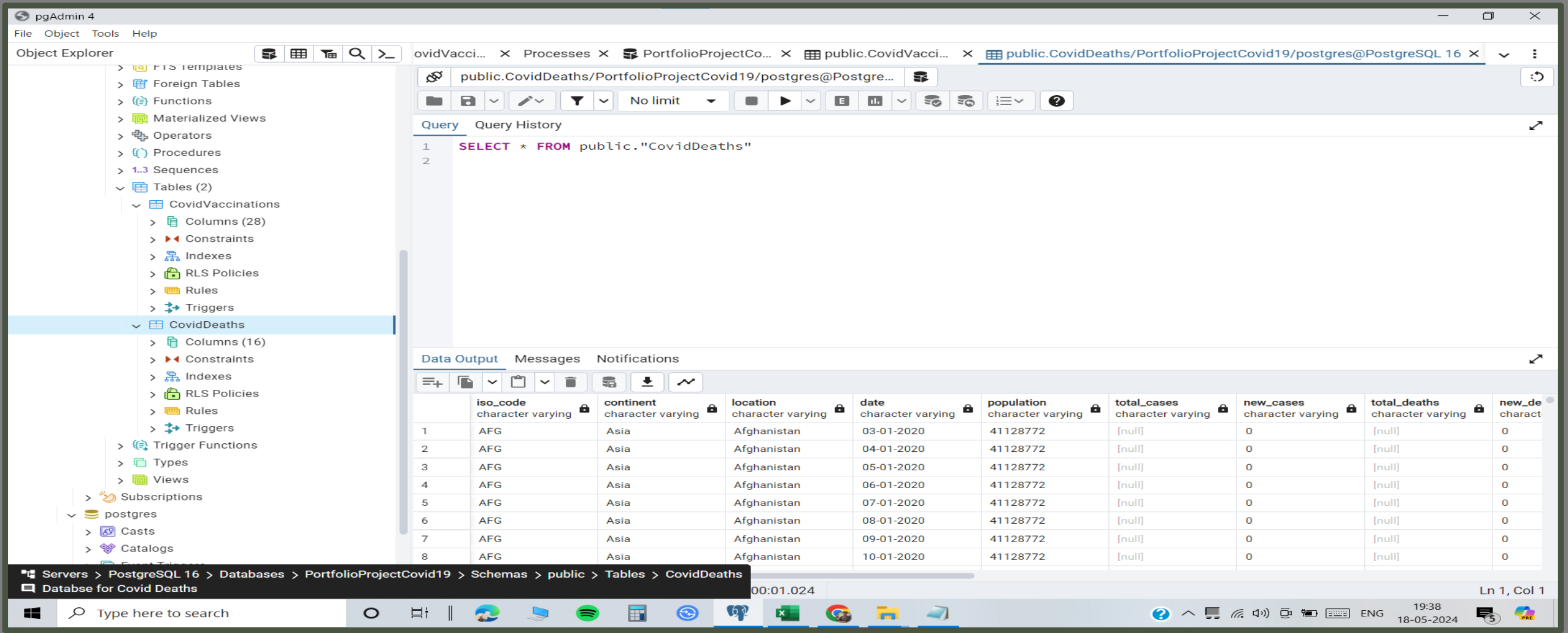
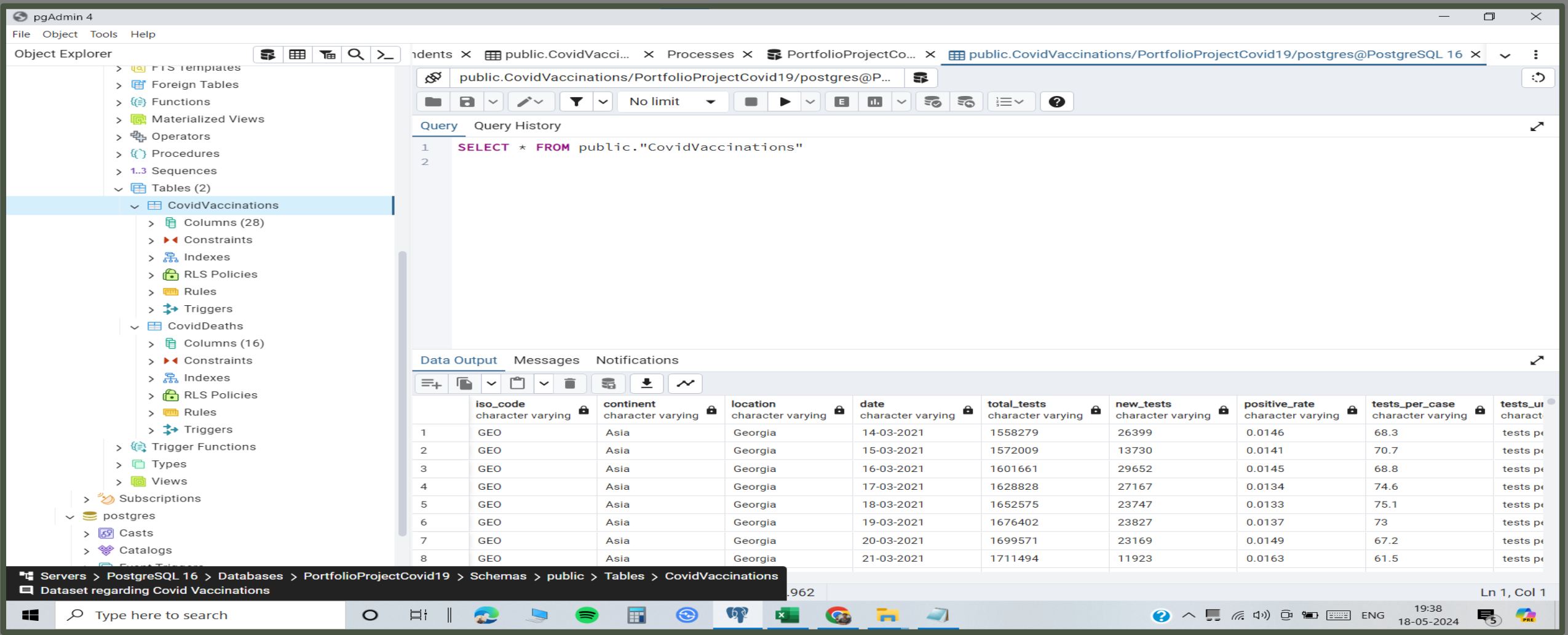


TABLE 2 – COVID VACCINATION



QUERY 1

DATE WISE LIKELIHOOD OF DYING DUE TO COVID-TOTAL CASES VS TOTAL DEATH- IN INDIA

pgAdmin 4

File Object Tools Help

Object Explorer

- Servers (1)
  - PostgreSQL 16
    - Databases (2)
      - PortfolioProjectCovid19
        - Casts
        - Catalogs
        - Event Triggers
        - Extensions
        - Foreign Data Wrappers
        - Languages
        - Publications
        - Schemas (1)
          - public
            - Aggregates
            - Collations
            - Domains
            - FTS Configurations
            - FTS Dictionaries
            - FTS Parsers
            - FTS Templates
            - Foreign Tables
            - Functions
            - Materialized Views
            - Operators
            - Procedures
            - Sequences
            - Tables (2)
              - CovidVaccinations
                - Columns (28)
                - Constraints
                - Indexes

SQL | Statistics | Dependencies | Dependents | public.CovidVacci... | Processes | PortfolioProjectCovid19/postgres@PostgreSQL 16*

PortfolioProjectCovid19/postgres@PostgreSQL 16

No limit

Query | Query History

```
1  -- Portfolio Project
2  -- a.Datewise Likelihood of dying due to covid-Totalcases vs TotalDeath- in India
3  select date,total_cases,total_deaths,(cast (total_deaths as double precision)/cast(total_cases as double precision)*100) as deat
```

Data Output | Messages | Notifications

	date character varying	total_cases character varying	total_deaths character varying	death_percentage double precision
115	26-04-2020	26496	824	3.109903381642512
116	27-04-2020	27892	872	3.126344471533056
117	28-04-2020	29435	934	3.173093256327501
118	29-04-2020	31332	1007	3.21396655176816
119	30-04-2020	33050	1074	3.249621785173979
120	01-05-2020	35043	1147	3.2731215934708784
121	02-05-2020	37336	1218	3.2622669809299336
122	03-05-2020	39980	1301	3.2541270635317656
123	04-05-2020	42533	1373	3.2280817247784075

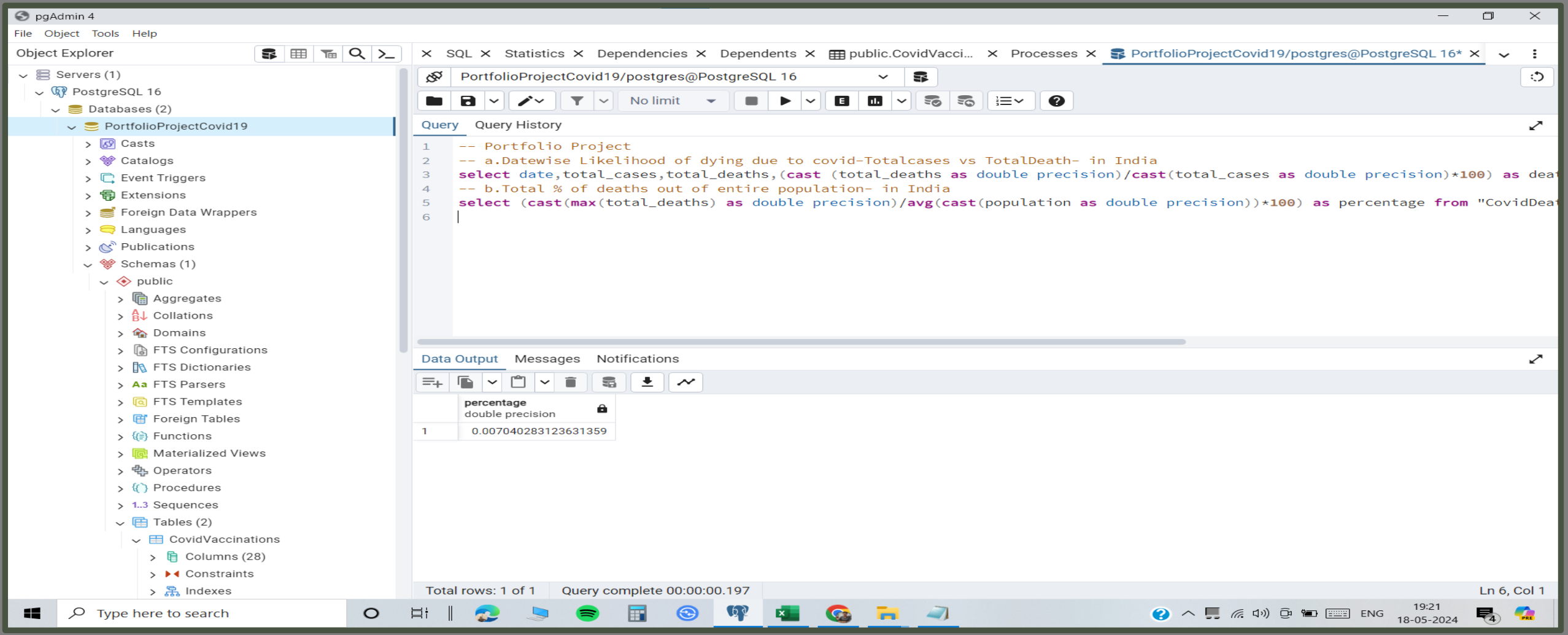
Total rows: 1000 of 2444 | Query complete 00:00:00.270 | Ln 3, Col 191

Type here to search

ENG 19:14 18-05-2024

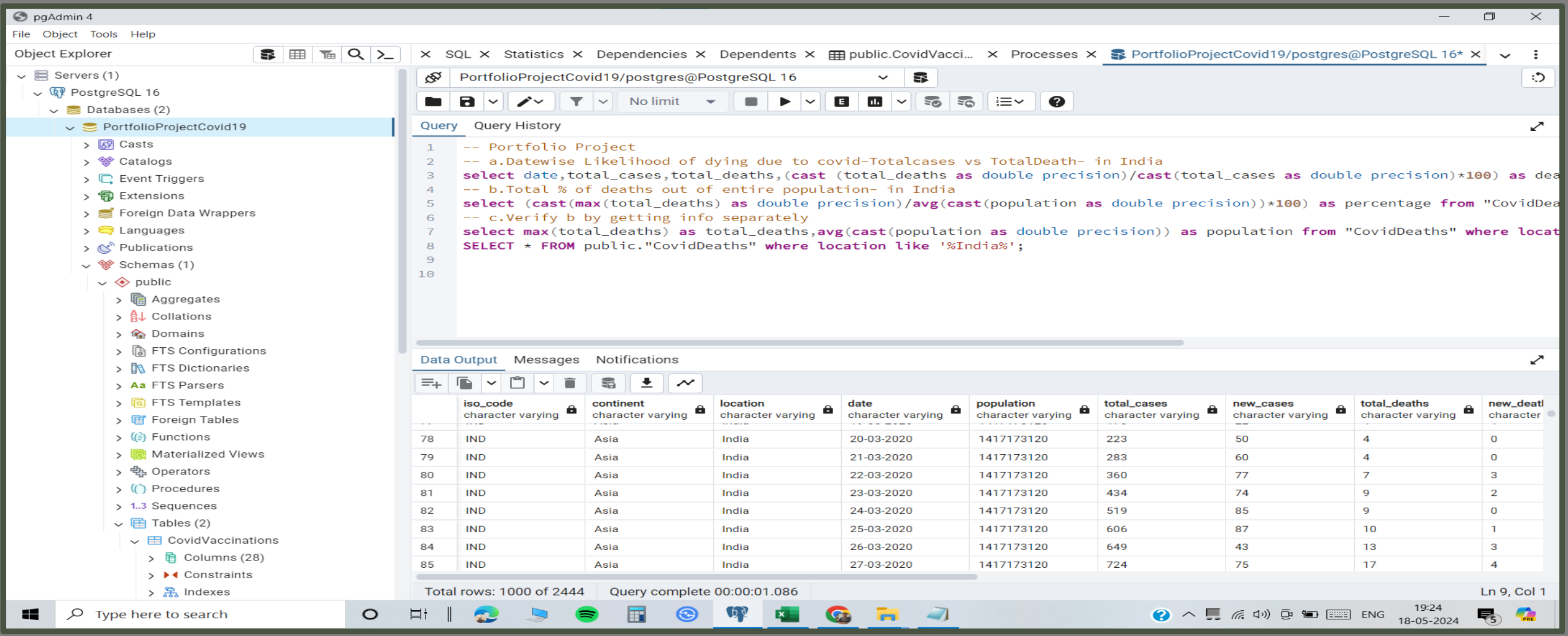
QUERY 2

TOTAL % OF DEATHS OUT OF ENTIRE POPULATION- IN INDIA



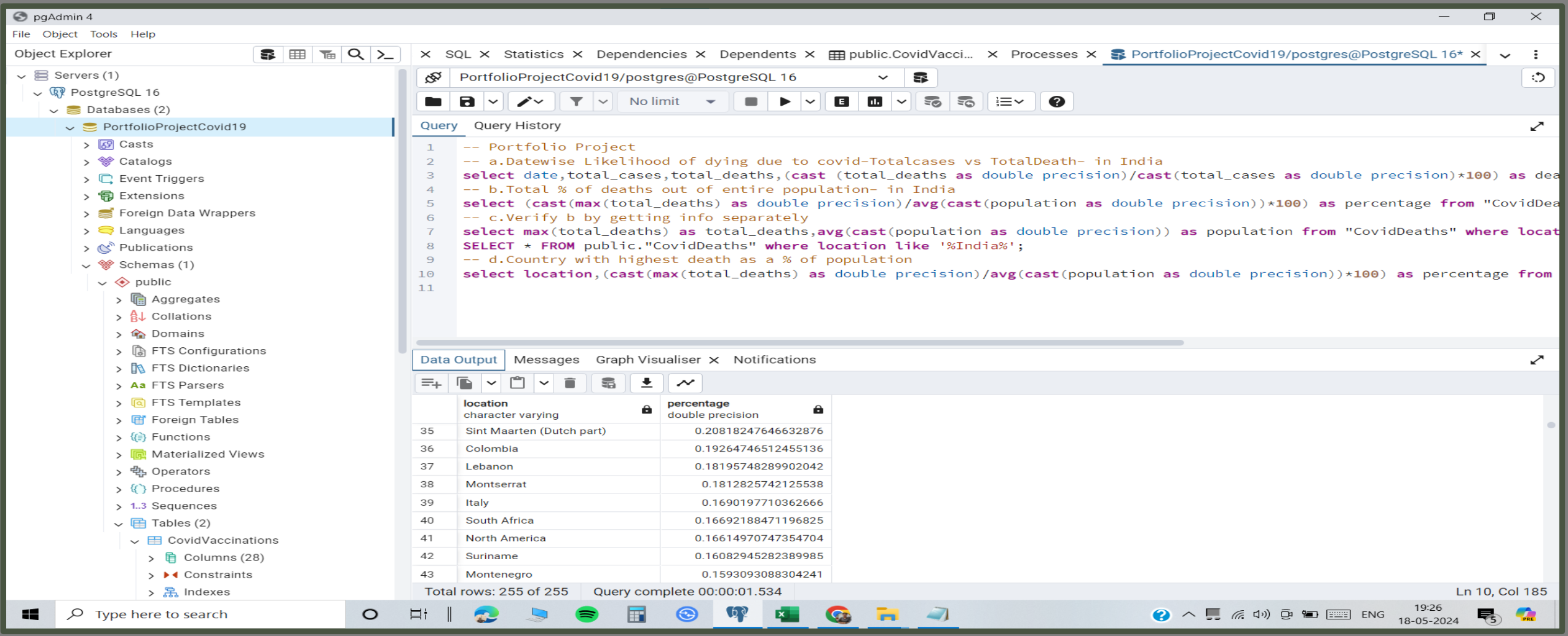
QUERY 3

VERIFY B BY GETTING INFO SEPARATELY



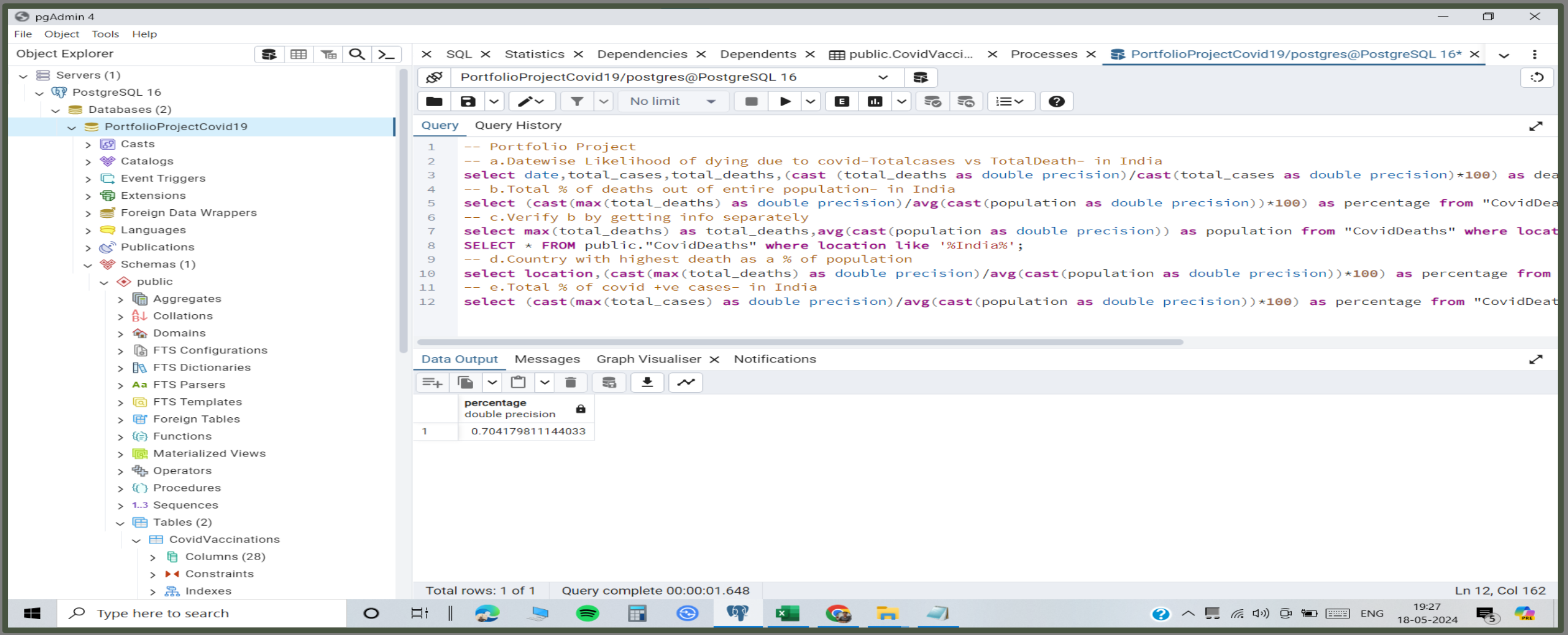
QUERY 4

COUNTRY WITH HIGHEST DEATH AS A % OF POPULATION



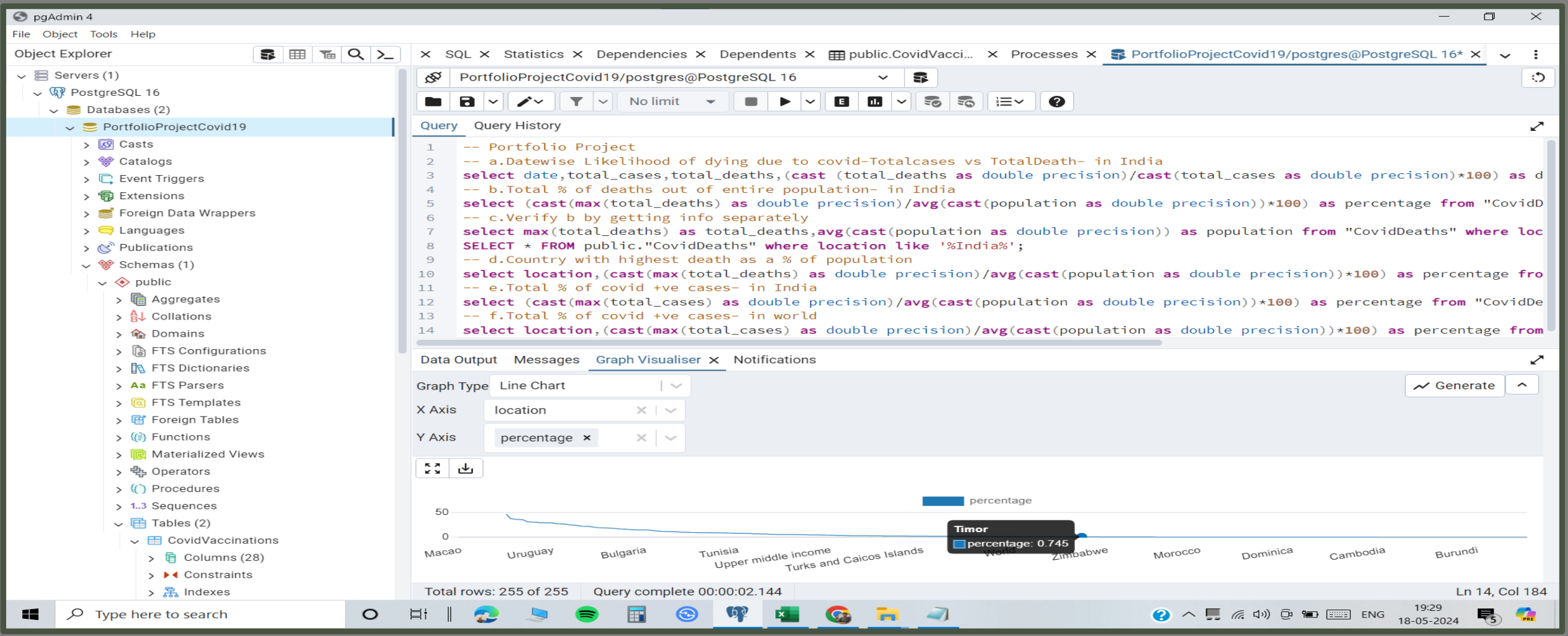
QUERY 5

TOTAL % OF COVID +VE CASES- IN INDIA



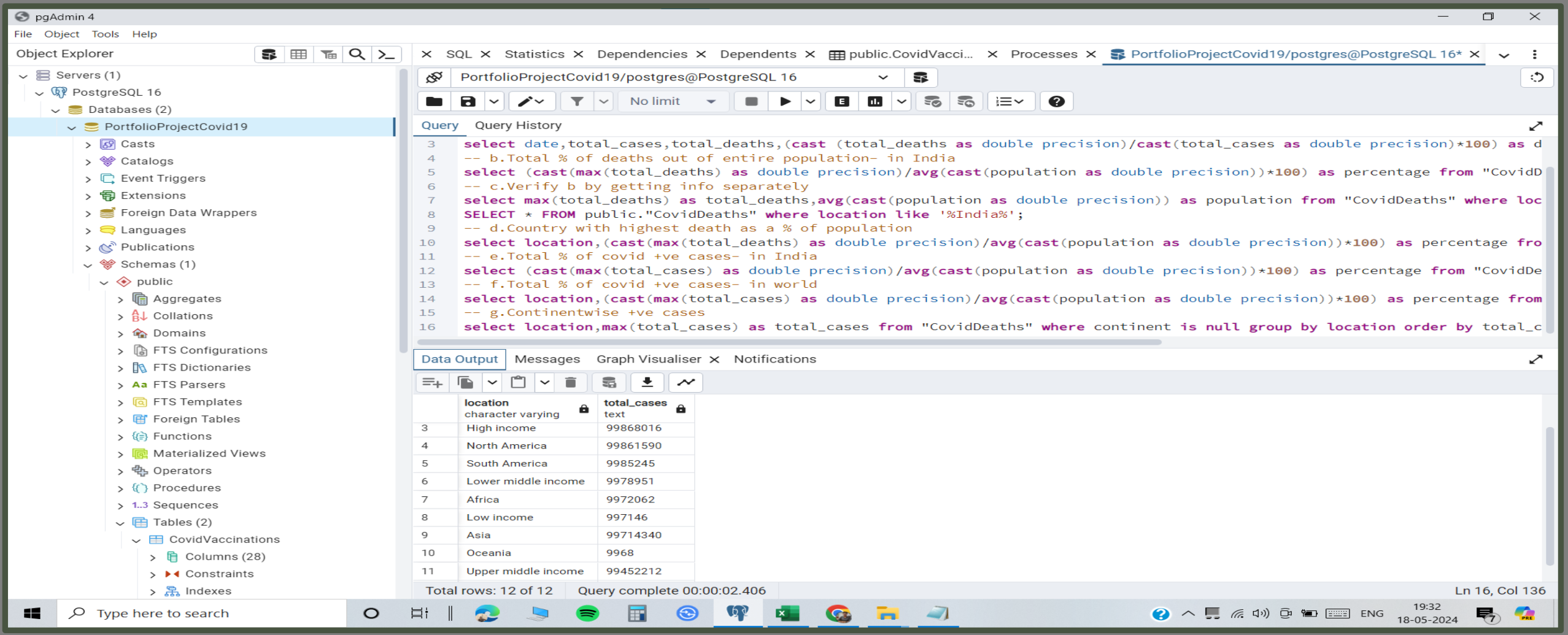
QUERY 6

TOTAL % OF COVID +VE CASES- IN WORLD



QUERY 7

CONTINENT WISE +VE CASES



QUERY 8

COUNTRY WISE TOTAL VACCINATED PERSONS