

PostgreSQL Worksheet - SQL Basics

INSTRUCTIONS

Please submit one copy per team v to submit.o.bot@gmail.com

Subject Line: PostgreSQL Worksheet S1T1

(S1T1 means Section 1 Team 1 - replace this with your correct designator)

It may be helpful to create a google doc shared by members in your team (and public so I can see it) - then send the link in the email. The format of that document should be:

```
-- S1T1
--q1 (and any other comment you want to make)
Sql query;
--q2
Sql query;
-- etc.
```

Download the file world.sql from our class website and load it into your PostgreSQL server.

basic info

q1. What command to load the database file into postgresql? (there are several options- you just need to list one)

q2. What is the query to see the names of the tables in the database that gives information about the world?

q3. What is the query to see the structure of the table containing information about cities?

queries

q4. What is the population of Haiti? I want to see both the name of the country (Haiti) and its population. For this and following queries, just cut and paste the query.

q5. Display the country and leader of countries whose leaders' names start with Robert.

q6. Display all information for USA cities with a population over one million (paste query)

q7. Display the names and populations of cities in New Mexico. (just the query)

q8. Display the names and land mass size of countries in North and South America. (paste query).

q9. Display the names and leaders of countries with populations between one and two million people. (paste query,)

q10. Display the names of countries with populations between one and two million people and a land mass greater than 100,000 (query)

q11. Display the country codes of the countries whose official language is Arabic and spoken by over 50% of the population.

q12. Are there countries whose official language is Arabic but it is only spoken by less than 50% of the population? If so, display their country codes.

q13. Display names of U.S. cities which start with the letter 'L'? (query)

q14. Display city name and country code and population of cities of a population of over 5 million in Japan (JPN), China (CHN), and Korea (KOR).

q15. The names and populations of countries in the Antarctica. (paste query)

q16. Cities in Virginia with a population between 100,000 and 200,000.

q17. What languages are spoken in the U.S. (country code USA)?

q18. What cities end with the string 'dria'?

q19. Countries whose life expectancy is greater than 80.

q20. Las Cruces is the second largest city in New Mexico with a population of 101,324. Please insert this city into the database. (paste query)



