

Help

- check if exist or not
 - psql -version
- install psql
 - sudo apt-get install postgresql
- show all clusters
 - pg_lsclusters
- list all the databases in cluster
 - psql -l
- create database
 - createdb dbname
- delete database
 - dropdb dbname

Create Table

CREATE TABLE student (id SERIAL PRIMARY KEY, name VARCHAR(100), age INT, grade VARCHAR(10));

Insert into Table

INSERT INTO student (name, age, grade) VALUES ('John Doe', 20, 'A');

Assignment

- what is difference between sql and psql list all
- install psql if not installed
- create/delete multiple database
- insert data into the tables
- check use of alter command for tables
- create a details document on above topics in your words
- perform below task and write code of this task in text file
- into git push folder **yourname_psql** folder and add text file and detailed document file in it

Step 1: Create Two Tables

Table: employees

employee_id integer
name Varchar(100)
department Varchar(50)

Table: projects

project_id integer

project_name Varchar(100)
employee_id Integer

project_id is the Primary Key.
employee_id is a Foreign Key referencing employees(employee_id).

Step 2: Insert Records

Step 3: Write a Join Query

Write a query to retrieve the names of employees and their project names, only for those who are assigned to a project (using an INNER JOIN).

Output Example:

Result Example for INNER JOIN:

employee_name	project_name
Alice	Website Redesign
Bob	Ad Campaign
Charlie	Recruitment Drive

deadline of assignment : 16 January EOD