Cloud Database Cloning into Local

Step1:

Install PostgreSQL client tools

- **PgAdmin**
- **Pg Dump**
- **Psql**

Note: This tool comes with PostgreSQL check in the path

C:\Program Files\PostgreSQL\<version>\bin\

Check the version in terminal : **pg_dump --version**

Step2:

Run Cloud SQL Auth Proxy

./cloud-sql-proxy <PROJECT_ID>:<REGION>:<INSTANCE_NAME>

Step3:

Dump your database (schema + data)

Commands:

Note: Commands should be executed in the path where pg dump.exe and psql.exe are present
C:\Program Files\PostgreSQL\<version>\bin\

**** command for schema of database****

set "PGPASSWORD=<PASSWORD H ERE>"

pg_dump.exe -h 127.0.0.1 -p 5434 -U < USERNAME > -d < DB NAME > --schema-only --no-owner --no-privileges > C:\Users\user\Desktop\schema.sql

**** command for data of database****

set "PGPASSWORD=<PASSWORD HERE> "

pg_dump.exe -h 127.0.0.1 -p 5434 -U <USERNAME> -d <DB NAME> --data-only --no-owner --no-privileges > C:\Users\user\Desktop\data.sql

Step 4:

Prepare local PostgreSQL

- Create a fresh database: name timekrishna(recommended)

Step 5:

Restore dump into local DB

Commands:

**** restore schema in local****

psql.exe -U postgres -d <DBNAME> -f C:\Users\user\Desktop\schema.sql

**** restore data in local****

psql.exe -U postgres -d <DBNAME> -f C:\Users\user\Desktop\data.sql

Step 6:

Verify in your local Db

Connecting our Spring boot Application with Local DB

- Change of database details in application.properties file.
- Disable GCP dependencies in pom.xml file.
- Build the project
- Run the project

Verify using Postman