# PostgreSQL Notes

## Services commands:

• sudo service postgresql status for checking the status of your database.

• sudo service postgresql start to start running your database.

* sudo passwd postgres set password for default user “postgres”

• sudo service postgresql stop to stop running your database.

## Run Database:

1. Start your postgres service: sudo service postgresql start

2. Connect to the postgres service and open the psql shell: sudo -u postgres psql

Once you have successfully entered the psql shell, you will see your command line change to look like this: postgres=#

Note

Alternatively, you can open the psql shell by switching to the postgres user with: su - postgres and then entering the command: psql.

To exit postgres=# enter: \q or use the shortcut key: Ctrl+D

To see what user accounts have been created on your PostgreSQL installation, use from your WSL terminal: psql -c "\du" ...or just \du if you have the psql shell open. This command will display columns: Account User Name, List of Roles Attributes, and Member of role group(s). To exit back to the command line, enter: q.

## Data Types:

SERIAL: Same as INT but Auto increment

VARCHAR(n) string with n characters limit

## Constrains:

NOT NULL: Sama dengan ! artinya ga bisa null

UNIQUE: value di field ini harus berbeda satu sama lain.

## PSQL Shell command:

\c databaseName connect to databaseName

\d describe: show table within a database

\d tableName show table fields

\i /path/to/db.sql run sql command inside an sql file

## Important commands:

Drop database dbname delete database

Drop table tableName delete table

SELECT \* FROM tablename show all content of a table

SELECT DISTINCT collname FROM tablename tampilkan setiap value berbeda (tanpa pengulangan

Select \* FROM tablename OFFSET 5 LIMIT 5; show lists starting from 6th row to 10th row.after it

... WHERE fieldname IN (value1, value2, ...); same as where fieldname = value1 or fieldname = value2 etc

Insert a row and return the new id:

INSERT INTO links (url, name

VALUES('http://www.postgresql.org','PostgreSQL')

RETURNING id;