SQL cheat sheet

Database was set up with instructions from https://www.robinwieruch.de/postgres-sql-macos-setup/

Getting to database with command line

`pg_ctl -D /usr/local/var/postgres start` *or*

`pg_ctl -D /usr/local/var/postgres/14 start`

`psql Tim1` *or*

`psql grocery1`

`\d` *for list of tables, relations*

`\d dishes` *for information about table* `dishes`

`\dt` *for list of tables*

`Control + d` *or* `\q` *to quit psql*

`pg_ctl -D /usr/local/var/postgres stop` *or*

`pg_ctl -D /usr/local/var/postgres/14 stop` *to stop postgresql server*

Connecting to database with python

`conn = psycopg2.connect(host="localhost",database="Tim1")`

`cur=conn.cursor()`

`commands = "`*see below*`"`

`cur.execute(commands)`

`conn.commit()`

`results = cur.fetchall()`

`print(results)`

`conn.close()`

Some common SQL commands, can be used either from psql shell or python

`create table ingredients (id serial primary key,name text,unit text);`

`alter table ingredients add column wf_aisle text;`

`alter table ingredients add column pantry_id int references pantry(id)`

`insert into meals (name,type) values ('macaroni and cheese', 'dinner');`

`insert into meals values (default,'chickpea stew','dinner',false)`

`update meals set packable = false where name = 'macaroni and cheese'`