Download and install PostgreSQL: <https://www.enterprisedb.com/downloads/postgres-postgresql-downloads> (username postgres, password postgres)

Copy the postgresql\_book.sql file to the postgresql bin folder on your machine

Open the postgresql shell and create a database called census

create database census;

Exit the shell and open a command line prompt and cd to the postgresql bin folder

Run the command to reinstall the dump file

psql -h localhost –d census -U postgres -f postgresql\_book.sql

Open pgAdmin and check you have the database census and in the census schema it has tables; facts etc.

**PL/SQL**

Connect to the database census

\c census

Create a table called logs

create table logs2(log\_id serial PRIMARY KEY, user\_name varchar(20), description text, log\_ts timestamptz);

Copy the following script in the shell

CREATE OR REPLACE FUNCTION ins\_logs(param\_user\_name varchar, param\_description text)

RETURNS integer AS

$$

INSERT INTO logs2(user\_name, description) VALUES($1, $2)

RETURNING log\_id;

$$

LANGUAGE 'sql' VOLATILE;

To call the function, we would execute:

SELECT ins\_logs('lhsu', 'this is a test') As new\_id;