

# Assignment 2

## SQL Data

Last updated: Friday 5th April 2:39am

Most recent changes are shown in red ... older changes are shown in brown.

[\[SQL Schema\]](#) [\[SQL Data\]](#)

The provided Dump File contains the pkmon schema and data.

So you do not need to load the Schema File into the database before loading the Dump File.

## SQL Dump File

- [Download Dump File](#)

## Copy the SQL Dump File

We do not recommend that you copy the dump file to your own directory for this assignment.

The dump file is over 22MB in size and will take up a sizable amount of your disk quota.

For easy access to the dump file you may create a symbolic link to the dump file in the assignment directory.

Download above or copy the SQL Dump File by running the command below.

```
$ ln -s /web/cs3311/current/assignments/ass2/database/pkmon.dump.sql .
```

## Loading the SQL Dump File

To load the SQL Dump File into the database, run the commands below.

```
# Only run this first command if you downloaded the .gz file to your local machine
# If you used the `ln -s` command, then you can skip this command
$ gunzip pkmon.dump.sql.gz

# Remove an old database if it exists
# WARNING: This will delete all Views and Functions loaded into the database
$ dropdb --if-exists pkmon

# Create a new database
$ createdb pkmon

# Load the SQL Dump File into the database
$ psql pkmon -f pkmon.dump.sql
... lots of output (SET, CREATE, ALTER, ...)

# You can now access the database, run queries, create views, ect.
$ psql pkmon
```

## Database Summery

We have provided a function pre-defined in the database called `dbpop` than can be used to get a summery of the database.

To make sure your database is loaded correctly, try run the command below.

```
# Access the database
```

```
$ psql pkmon
```

```
# Run the `dbpop` function
```

```
pkmon=# SELECT * FROM dbpop();
```

tablename	ntuples
abilities	297
egg_groups	15
encounter_requirements	44492
encounters	40280
evolution_requirements	650
evolutions	535
games	39
in_group	1494
knowable_abilities	2696
learnable_moves	1262002
locations	3542
moves	915
pokedex	11819
pokemon	1191
requirements	830
type_effectiveness	120
types	18

```
(17 rows)
```