

Exercise: Creating Tables

Create a table in SQL and fill it with data.



1. Connect to Postgres

Connect to your Postgres database via the command line:

```
psql
```

If you specified a username (-U) or database name (-d) earlier, do it again.

2. Create a table

Adapt the SQL command for creating a table that matches your CSV data. Here you find a starting point:

```
CREATE TABLE IF NOT EXISTS penguins (  
  
    id SERIAL PRIMARY KEY,  
    species TEXT,  
    gender VARCHAR(10),  
    bill_length_mm NUMERIC NOT NULL,  
    body_mass_g INT CHECK (body_mass >= 0 AND body_mass < 10000)  
  
);
```

You should see the response:

```
CREATE TABLE
```

3. Load data

Copy **one** CSV file to the newly created table.

Adapt the command:

```
\copy penguins FROM '<path>/penguins.csv' DELIMITER ',' CSV HEADER;
```

Replace <path> by the **absolute path** to your `penguins.csv` using **forward slashes** (/).

You should see a response like:

```
COPY 50
```

This tells you that 50 rows have been copied into the table.

4. Inspect the data

Make sure that the data is in your table by typing in the query:

```
SELECT * FROM penguins;
```

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