First connection

Your dataset inside Superset

Names _____

On your class VM, with Superset open in the browser. You need the CSV of your open-data hunt, or `pokemon_df.csv`. Pairs, one keyboard: one types, the other reads this sheet and takes notes; swap at Part C. Write here.

Reference

A database lets you in only if every setting is right, like an online game.

Setting	The question it answers	In the game
Host	Which machine is the database on?	Which server you join.
Port	Which door of that machine?	Which door of that server.
Database	Which database on that server?	Which world on that server.
User + password	Who are you, and can you prove it?	Your account login.
Driver	Can Superset speak to this kind of database?	The game client that speaks that server's language.
Permission	What may people do through this connection?	What your account is allowed to do.

Part A · Read the connection (8 min)

Settings → Database Connections. The connection `Dades classe` is already made: look at its row.

A1 What does the list say about it?

Backend _____ Is there a tick under *File upload*? _____

A2 Connections fail, and the message tells you how far you got. Which setting would you check?

What you see	The setting to check
PostgreSQL is not in the list of databases to connect.	
A message containing `Connection refused`.	
A message saying the password of your user is incorrect.	
The connection works, but it is missing from the upload form.	
The upload works, but the table has one single column.	

A3 Which is better news, *connection refused* or *wrong password*? Why?

_____

_____

A4 In a connection form, the host says `localhost`. Whose machine is that?

_____

A5 Superset works through this connection. Where do your rows live: in Superset or in PostgreSQL? What does Superset keep?

_____

Part B · Load your CSV (6 min)

If `pokemon` is already in **Datasets**, do not upload it again: upload your own file, with its own table name.

Step	Do this	Careful
1	**+** (top right) → **Data** → **Upload CSV to database**.	
2	**CSV file**: your file. **Database**: `Dades classe`.	Not in the list? The *Allow file uploads* permission is missing.
3	**Schema**: `public`.	Never leave it empty: the upload fails with `schema "undefined" does not exist`.
4	**Table name**: short, lowercase, no spaces.	`beaches`, not `Beaches 2026`.
5	**Delimiter**: check it against the file in a text editor.	Decimal comma? **File settings** → **Decimal character**: ,
6	**Upload**.	**Datasets** now lists your table.

B1 What did you choose?

Table name _____ Delimiter _____ Decimal character _____

Part C · Ask it (8 min)

SQL → **SQL Lab**, database `Dades classe`, schema `public`. Run them one at a time, in this order.

```sql
SELECT COUNT(*) FROM pokemon;
SELECT * FROM pokemon LIMIT 10;
SELECT type_1, COUNT(*) AS n, ROUND(AVG(attack)) AS avg_attack
FROM pokemon GROUP BY type_1 ORDER BY avg_attack DESC;
```

C1 What did each one answer?

Rows in the table _____ Columns you see _____ A cell that says `NULL`: _____

Type on top _____ with an average attack of _____ Rows in this answer _____

C2 Change `type_1` to `type_2` in the three places of the third query.

Type on top now _____ What is odd about one of the rows? _____

C3 Your own table: swap `pokemon` for its name and adapt the third query to the question you wrote in the hunt.

Your question _____

What the answer tells you _____

Stuck?

- **`relation "pokemon" does not exist`**: wrong database or schema chosen in SQL Lab. It must say `Dades classe` and `public`.
- **A table with one single column**: the delimiter was wrong. The file is fine: delete the table and upload it again.
- **Your VM does not answer**: pair up with a neighbour and tell the teacher.

Done when Every blank is filled · you can say, without looking, the five settings of a connection and the sixth thing.

At home A friend connects Superset to a MySQL database that runs on another machine and gets *connection refused*. Their host field says `127.0.0.1`. One paragraph: what is wrong, what should they write, and what else does Superset need for MySQL?