Reporting with SQL Part 2 Notes

Team Treehouse

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1 What Are Functions?

- Prsents data differently through manipulation

- **Syntax:** *function name*(*value or column*)

- e.g. LENGTH(), UPPER("Andrew Chalkley"), SUM()

2 Adding Text Columns Together

- **Snytax:** SELECT *value or column* ||*value or column* ||*value or column* FROM *table name*;

- ||→ concat operator

Example:

```
SELECT first_name || " " || last_name AS "Full Name",
        email AS "Email", phone AS "Phone"
        FROM customers;
```

Full Name	Email	Phone
Lauren Chalkley	Lauren.Chalkley@example.com	(601)-555-8510
Dave McFarland	Dave.McFarland@example.com	(675)-555-4108
Pasan Premaratne	pdawg@example.com	(898)-555-3719
Andrew Chalkley	Andrew@teamtreehouse.com	(798)-555-8112
Rachael Hinkley	Rachael.Hinkley@example.com	(645)-555-2397

3   Single vs Double Quotes

- Exists difference in use

- Single Quote → for string literlas (e.g. 'lbs')

- Double Quote → for column aliases (e.g. "Max Weight")

  Example:

```
1    SELECT maximum_weight || 'lbs' AS "Max Weight" FROM ELEVATOR_DATA;
2
```

4   Exercise 1

- Solution included in *exercise_1.sql*