**Sprint 1: Databases**

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Due Date: November 03, 2024

**Normalization:**

*Explain how the tables (created using the previous queries) are each in 3NF.*

**Customers Table**

The table is in 1NF (individual data only, no column with multiple values) and 2NF (non-key columns rely on primary key [id ] only) and is also in 3NF as each non-key column is independent of other non-key columns (first\_name, last\_name, email, phone\_num).

**Movies Table**

The table is in 1NF (individual data only, no column with multiple values) and 2NF (non-key columns rely on primary key [id] only) and is also in 3NF as each non-key column is not reliant on another non-key column.

**Rentals Table**

The table is in 1NF (individual data only, no column with multiple values) and 2NF (each non-key column is dependent on the composite primary keys customer\_id and movie\_id only), and is also in 3NF as each non-key column is not reliant on another non-key column. There is no transitive dependency in any non-key column.