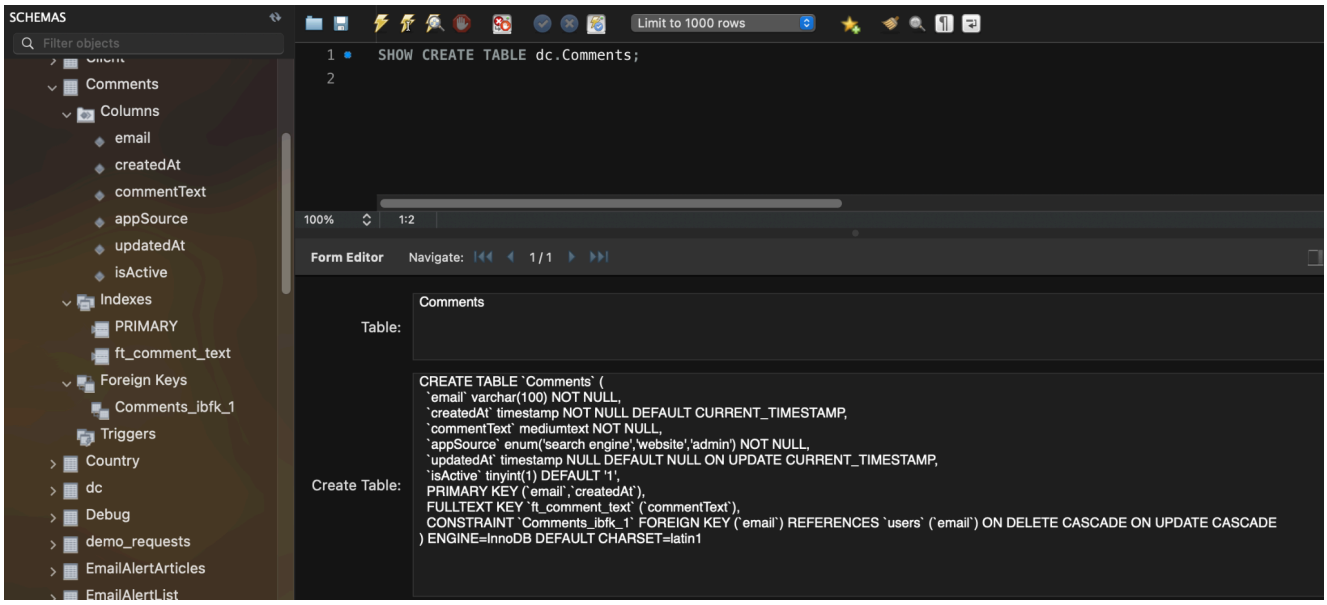
Overview

The **Comments** table stores feedback, text entries, and notes made by users or system processes. It keeps details such as who made the comment (email), what the comment says, where it came from (app source), and when it was created or updated. It also tracks whether each comment is active.



Purpose

The purpose of the **Comments** table is to record and manage user or system-generated comments for different applications and platforms. It supports data tracking for reviews, feedback, or alerts coming from multiple sources (like websites, apps, or broadcasts).

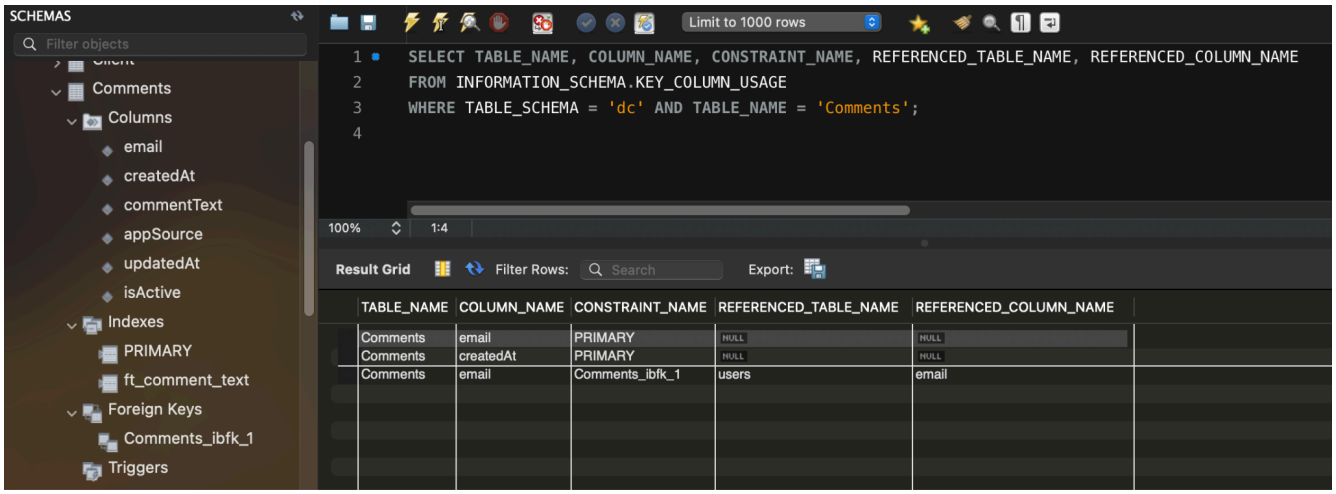
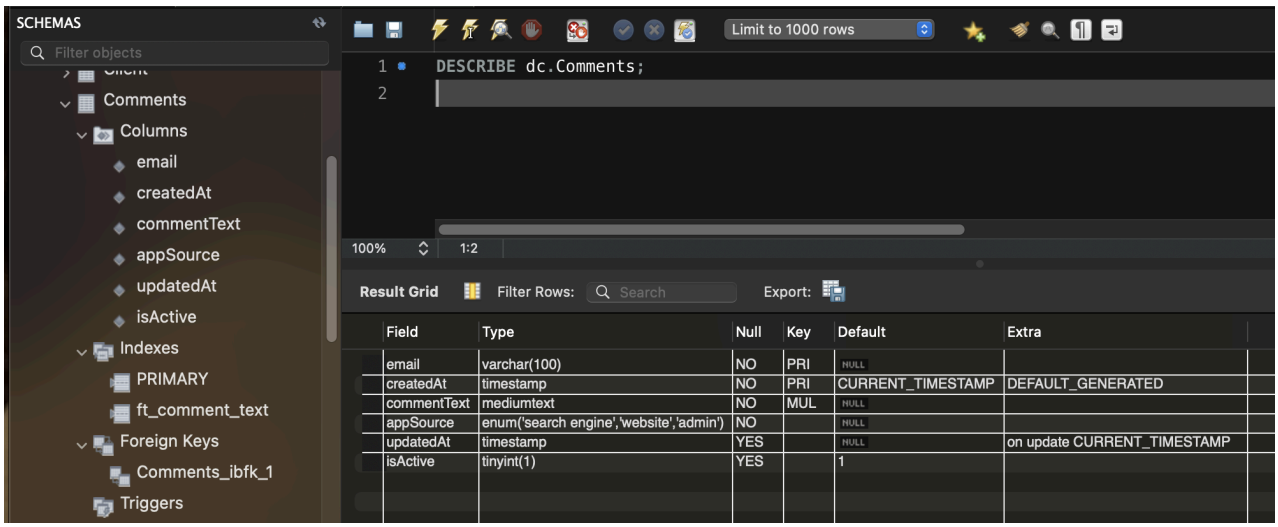


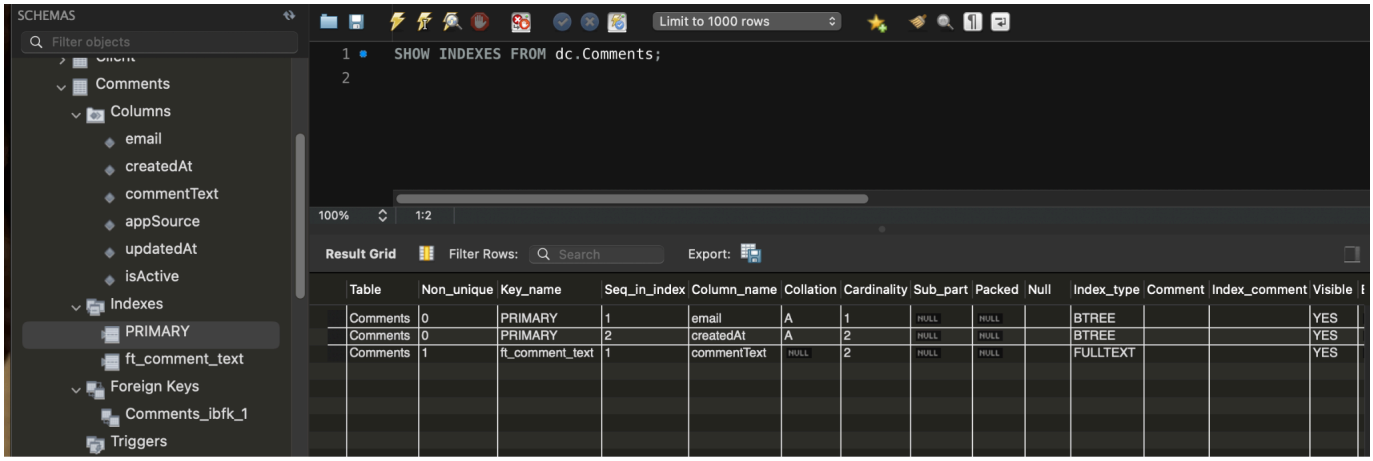
Table Columns

Column Name	Data Type	Description
email	VARCHAR(100)	The email address of the user who made the comment.
createdAt	TIMESTAMP	The date and time when the comment was first created
commentText	TEXT	The actual content of the comment
appSource	ENUM	The platform where the comment was made (for example, Web, Mobile, or API).
updatedAy	TIMESTAMP	The date and time when the comment was last updated.
isActive	TINYINT	A flag showing if the comment is active (1 = active, 0 = inactive)



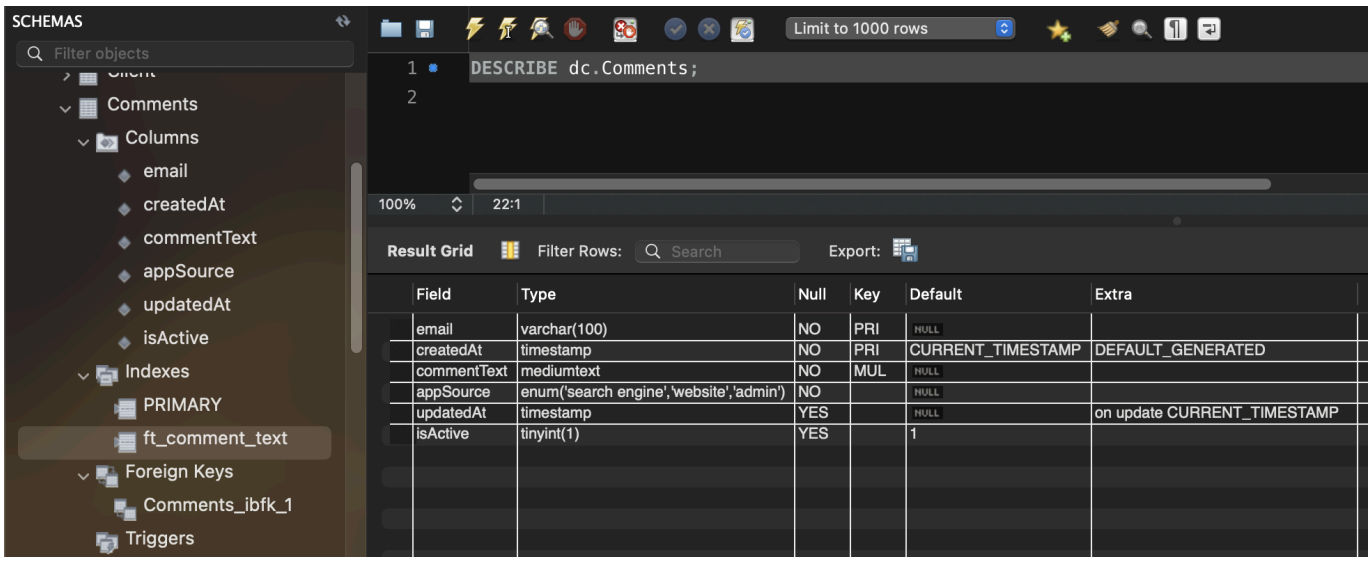
Indexes and Keys

- Primary Key: email, createdAt
- Foreign Keys:
    - Fk_comment_text: full text index to speed up searches through commentText

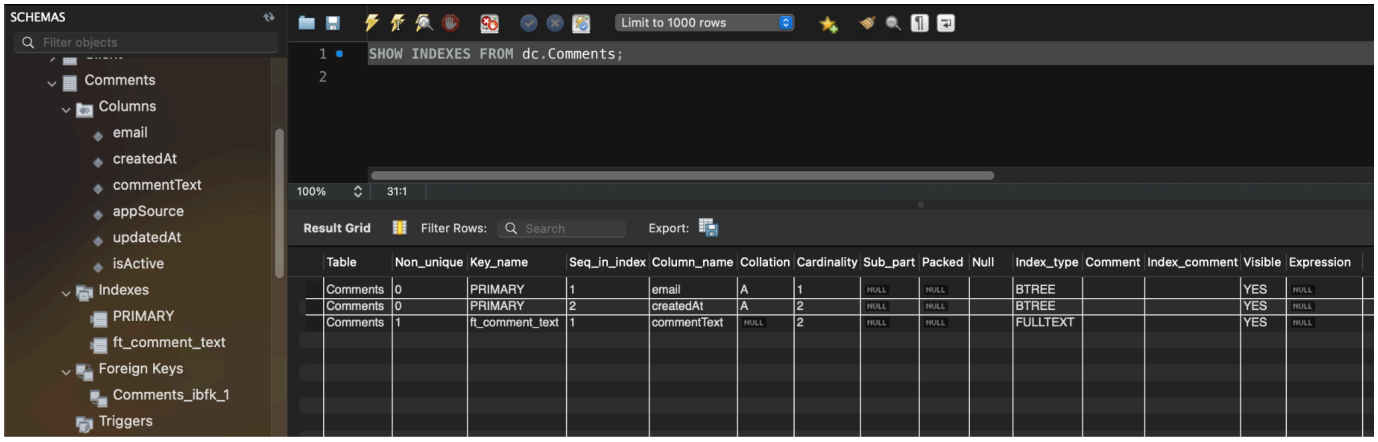


Observations and Issues

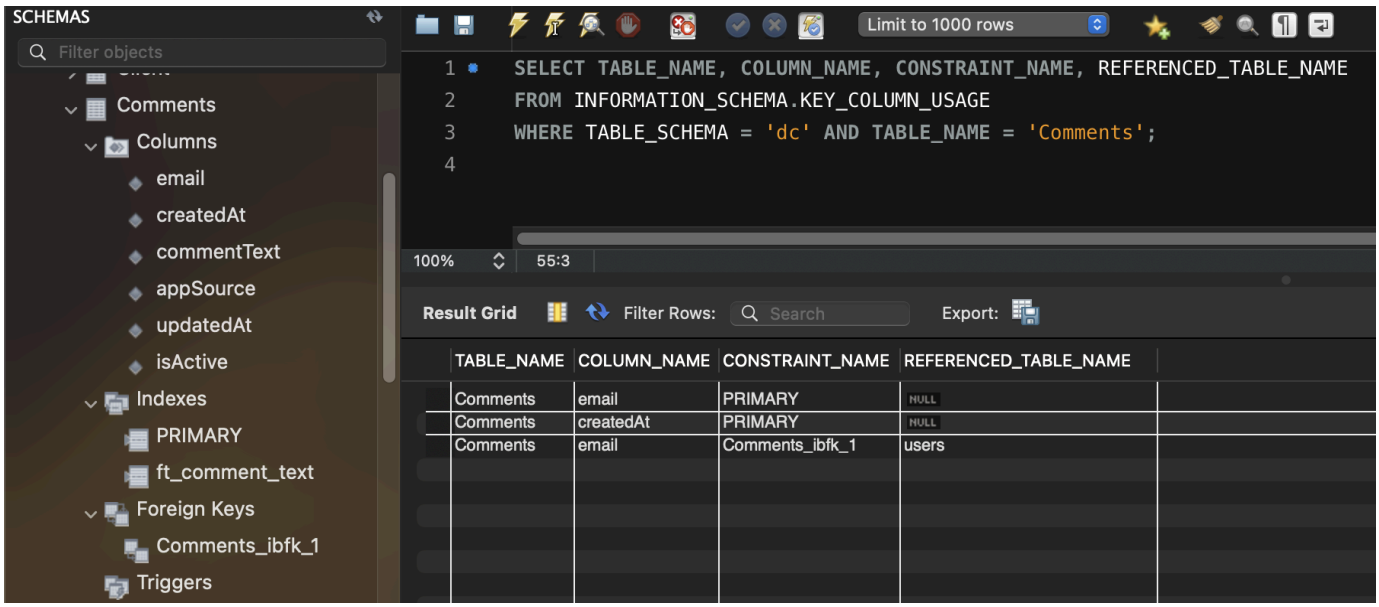
1. **Table Structure is Clean**: The table contains all necessary fields for tracking and managing comments. There are no missing required columns, and data types are appropriate for the stored information.



2. **Full Text Search Enabled**: The **ft_comment_text** index allows searching within the **commentText** field efficiently. This improves lookup speed for keyword or phrase searches.



3. **Foreign Key Relationship Present:** The **Comments** table includes one foreign key constraint named **Comments_ibfk_1**. This links the **email** column in **dc.Comments** to the **email** column (or corresponding key) in the **users** table. This ensures that every comment is tied to a valid user record, improving data consistency and traceability.



Recommendations:

1. **Validate Email References**: Since **email** is now a foreign key linked to the **users** table (**Comments_ibfk_1**), ensure all inserted emails exist in **users**.
2. **Determine how Timestamps are Set**: Look and see how the timestamps are currently set. Ensure that they automatically populate tp ensure consistency in time tracking for creation and edit of comments
3. **Regular Backup**: Since comments can grow large quickly, back up this table regularly to improve performance.
4. **Archive Old Comments**: Archive or delete rows where **inActive=0** and **updatedAt** is older than 2 years old. This allows for more efficient search operations