**Design and Implement a Relational Database**

**Problem Statement:** In rural communities, access to clean drinking water is often limited. To address this, we can create a database to track water sources, their quality, and the communities they serve.

**SQL Queries**

1. **Retrieve all water sources for a specific community:**

SELECT \*

FROM Water\_sources

WHERE community\_id=201;

1. **Get water quality status for all sources:**

SELECT Water\_Sources.\*, Water\_Quality.\*, Communities.\*

FROM Communities INNER JOIN (Water\_Sources INNER JOIN Water\_Quality ON Water\_Sources.Source\_id = Water\_Quality.source\_id) ON Communities.community\_id = Water\_Sources.community\_id;

1. **Count the number of unsafe water sources:**

SELECT COUNT(\*) AS unsafe\_count

FROM Water\_Quality

WHERE status = 'unsafe';