

Tables and Fields

citizens

- `citizen_id`: Unique ID (Primary Key)
- `name`: Text
- `gender`: Text
- `dob`: Date
- `household_id`: Unique ID (Refer to: `households.household_id`)
- `educational_qualification`: Text (e.g., “Illiterate”, “Primary”, “Secondary”, “10th”, “12th”, “Graduate”, “Post-Graduate”, etc...)

households

- `household_id`: Unique ID (Primary Key)
- `address`: Text
- `income`: Decimal Number

land_records

- `land_id`: Unique ID (Primary Key)
- `citizen_id`: Unique ID (Refer to: `citizens.citizen_id`)
- `area_acres`: Decimal Number
- `crop_type`: Text (e.g., “Rice”, “Wheat”, “Cotton”, etc...)

panchayat_employees

- `employee_id`: Unique ID (Primary Key)
- `citizen_id`: Unique ID (Refer to: `citizens.citizen_id`)
- `role`: Text (e.g., “Pradhan”, “Secretary”, “Member”, etc...)

assets

- `asset_id`: Unique ID (Primary Key)
- `type`: Text (e.g., “Street Light”, “Water Pump”, “Road”, etc...)
- `location`: Text
- `installation_date`: Date

welfare_schemes

- `scheme_id`: Unique ID (Primary Key)
- `name`: Text
- `description`: Long Text

scheme_enrollments

- `enrollment_id`: Unique ID (Primary Key)
- `citizen_id`: Unique ID (Refer to: `citizens.citizen_id`)
- `scheme_id`: Unique ID (Refer to: `welfare_schemes.scheme_id`)

- `enrollment_date`: Date

vaccinations

- `vaccination_id`: Unique ID (Primary Key)
- `citizen_id`: Unique ID (Refer to: `citizens.citizen_id`)
- `vaccine_type`: Text (e.g., “Covid-19”, “Polio”, “Hepatitis”, etc...)
- `date_administered`: Date

census_data

- `household_id`: Unique ID (Foreign Key: `households.household_id`)
- `citizen_id`: Unique ID (Foreign Key: `citizens.citizen_id`)
- `event_type`: Text (e.g., “Birth”, “Death”, “Marriage”, “Divorce”, etc...)
- `event_date`: Date (Specific date of the event)

Solution

<https://r.mtdv.me/dbms-a2-sol>