# SQL SCRIPTS

CREATE DATABASE IF NOT EXISTS SDG;

USE SDG;

CREATE TABLE IF NOT EXISTS Watersupply (

SDG\_id INT PRIMARY KEY AUTO\_INCREMENT NOT NULL,

Name\_of\_tribe VARCHAR(20) UNIQUE NOT NULL,

Water\_source VARCHAR(20) NOT NULL,

Water\_quality DECIMAL(25,1) NOT NULL,

Water\_availability INT NOT NULL,

Population\_size INT NOT NULL,

Distance\_to\_Water\_Source DECIMAL(25,1) NOT NULL,

Last\_maintenance DATE NOT NULL,

Waterborne\_Dis\_Incidents VARCHAR(25) NOT NULL);

INSERT INTO Watersupply (Name\_of\_tribe, Water\_source, Water\_quality, Water\_availability, Population\_size, Distance\_to\_Water\_Source, Last\_maintenance, Waterborne\_Dis\_Incidents)

VALUES

('Luhya', 'Well', 6.0, 800, 2000, 2.0, '2024-01-15', 50),

('Kikuyu', 'River', 4.0, 500, 1500, 4.0, '2023-12-10', 120),

('Luo', 'Rainwater', 8.0, 900, 800, 1.0, '2024-01-05', 20),

('Kalenjin', 'Well', 7.0, 700, 1200, 3.0, '2023-11-25', 40),

('Kisii', 'River', 5.0, 600, 1700, 5.0, '2023-12-20', 90),

('Giriama', 'Rainwater', 9.0, 1000, 500, 0.5, '2024-01-18', 15),

('Turkana', 'Well', 3.0, 300, 2500, 6.0, '2023-10-15', 150),

('Meru', 'Well', 5.0, 850, 1600, 2.0, '2023-11-10', 85),

('Indian', 'River', 6.0, 650, 2100, 4.5, '2024-01-02', 55),

('Arab', 'Rainwater', 7.0, 950, 700, 1.0, '2023-12-25', 30),

('Koisan', 'Well', 4.0, 550, 1300, 3.5, '2023-11-30', 100),

('Zulu', 'River', 8.0, 1100, 1800, 5.5, '2024-01-10', 25),

('Wolves', 'Well', 9.0, 900, 900, 1.5, '2024-01-12', 10),

('Silver Lake', 'Rainwater', 5.0, 700, 600, 2.0, '2023-12-15', 70),

('Spring Valley', 'River', 3.0, 400, 1400, 3.0, '2023-11-05', 130),

('Elmwood', 'Well', 7.0, 800, 1500, 4.0, '2023-12-28', 45),

('Birchwood', 'River', 6.0, 600, 1200, 5.0, '2023-10-22', 75),

('Redwood', 'Rainwater', 8.0, 1200, 850, 1.2, '2024-01-15', 20),

('Willow Creek', 'Rainwater', 4.0, 500, 1300, 3.0, '2023-11-10', 110),

('Eastfield', 'Well', 9.0, 1000, 950, 0.2, '2024-01-05', 15),

('Clearview', 'River', 5.0, 700, 1100, 8.0, '2023-12-18', 90),

('Highland', 'Well', 3.0, 450, 1700, 4.0, '2023-11-30', 140),

('Meadow', 'Rainwater', 6.0, 850, 1200, 2.5, '2023-12-05', 65),

('Foxes', 'River', 7.0, 950, 650, 1.5, '2023-12-20', 25),

('Greenfield', 'Well', 8.0, 1050, 1900, 5, '2023-01-10', 30);;

* SQL query for obtaining data to be used to generate bar chart for “Number of waterborne diseases vs Sources of Water”;  
   SELECT Water\_source, Waterborne\_Dis\_Incidents

FROM watersupply;

* SQL query for obtaining data to be used to generate bar chart for “Number of Waterborne Disease Incidents vs Last Maintenance Dates”;

SELECT Waterborne\_Dis\_Incidents, Last\_maintenance

FROM watersupply;

* SQL query for obtaining data to be used to generate bar chart for “Incidents of Waterborne Diseases vs Tribe”;

SELECT Waterborne\_Dis\_Incidents, Name\_of\_tribe

FROM watersupply;

* SQL query for obtaining data to be used to generate bar chart for “Population Size vs Total Water Availabilty”;

SELECT Population\_size, Water\_availability

FROM watersupply;

* SQL query for obtaining data to be used to generate line graph for “Waterborne Disease Incidents vs Water Quality”;

SELECT Waterborne\_Dis\_Incidents, Water\_quality

FROM watersupply;

* SQL query for obtaining data to be used to generate line graph for “Total Water Available vs Water Quality”;

SELECT Water\_availability, Water\_quality FROM watersupply;