

Create Database Tables

```
CREATE TABLE WaterSource (  
    WaterID INT PRIMARY KEY,  
    SourceType VARCHAR(50),  
    Capacity DECIMAL(10, 2)  
);  
  
CREATE TABLE Region (  
    RegionID INT PRIMARY KEY,  
    RegionName VARCHAR(100),  
    Population INT  
);  
  
CREATE TABLE Distribution (  
    DistributionID INT PRIMARY KEY,  
    RegionID INT,  
    WaterID INT,  
    DistributionQuantity DECIMAL(10, 2),  
    FOREIGN KEY (RegionID) REFERENCES Region(RegionID),  
    FOREIGN KEY (WaterID) REFERENCES WaterSource(WaterID)  
);  
  
CREATE TABLE Usage (  
    UsageID INT PRIMARY KEY,  
    RegionID INT,  
    WaterID INT,  
    UsageQuantity DECIMAL(10, 2),  
    TimePeriod DATE,  
    FOREIGN KEY (RegionID) REFERENCES Region(RegionID),  
    FOREIGN KEY (WaterID) REFERENCES WaterSource(WaterID)  
);
```

Data Retrieval: Retrieve data related to water usage and distribution:

```
SELECT RegionName, SUM(DistributionQuantity) AS TotalDistributed
```

```
FROM Distribution
JOIN Region ON Distribution.RegionID = Region.RegionID
GROUP BY RegionName;
```

Data Analysis: Analyze data to uncover insights: (identifying regions with high water usage):

```
SELECT RegionName, SUM(UsageQuantity) AS TotalUsage
FROM water_usage
JOIN Region ON water_usage.RegionID = Region.RegionID
GROUP BY RegionName
ORDER BY TotalUsage DESC;
```