**Countries Table**

Stores basic country details and classification.

* **Country\_ID** – Unique identifier for each country (**Primary Key**).
* **Name** – Official country name.
* **Region** – Geographic classification (e.g., North America, Europe).
* **Income\_Level** – Economic classification (Low, Lower-Middle, Upper-Middle, High).

**Economic Indicators Table *(from WDI)***

Captures key economic statistics for each country over time.

* **ID** – Unique record identifier (**Primary Key**).
* **Country\_ID** – Links to the Countries table (**Foreign Key**).
* **Year** – The year of the recorded data (2021-2023).
* **GDP** – Gross Domestic Product (in USD).
* **Inflation\_Rate** – Annual inflation rate (%).
* **Trade\_Balance** – Difference between exports and imports (USD).
* **FDI** – Foreign Direct Investment (USD).
* **Government\_Spending** – Government expenditure as a percentage of GDP.

**Social Indicators Table *(from WDI)***

Tracks human development and social well-being metrics.

* **ID** – Unique record identifier (**Primary Key**).
* **Country\_ID** – Links to the Countries table (**Foreign Key**).
* **Year** – The year of the recorded data (2021-2023).
* **Life\_Expectancy** – Average life expectancy at birth (years).
* **Literacy\_Rate** – Literacy rate as a percentage of the population.
* **Poverty\_Rate** – Percentage of the population below the poverty line.
* **Unemployment\_Rate** – Percentage of the labor force unemployed.
* **Access\_to\_Clean\_Water** – Percentage of the population with clean water access.

**Public Debt Indicators Table *(from QPSD)***

Monitors national debt and fiscal responsibilities.

* **ID** – Unique record identifier (**Primary Key**).
* **Country\_ID** – Links to the Countries table (**Foreign Key**).
* **Year** – The year of the recorded data (2021-2023).
* **Total\_Govt\_Debt** – Total government debt (USD).
* **Debt\_to\_GDP\_Ratio** – Debt as a percentage of GDP.
* **Interest\_Payments\_Debt** – Interest paid on public debt (USD).
* **External\_Debt\_Stocks** – Total external debt holdings (USD).

**Environmental Indicators Table *(from WDI)***

Evaluates environmental sustainability and energy usage.

* **ID** – Unique record identifier (**Primary Key**).
* **Country\_ID** – Links to the Countries table (**Foreign Key**).
* **Year** – The year of the recorded data (2021-2023).
* **CO2\_Emissions** – Carbon dioxide emissions per capita (metric tons).
* **Renewable\_Energy\_Consumption** – Percentage of energy from renewable sources.
* **Access\_to\_Electricity** – Percentage of the population with electricity access.
* **Forest\_Area** – Percentage of the country covered by forests.

**Statistical Indicators Table *(from Statistical Indicators)***

Includes financial and monetary statistics for economic analysis.

* **ID** – Unique record identifier (**Primary Key**).
* **Country\_ID** – Links to the Countries table (**Foreign Key**).
* **Year** – The year of the recorded data (2021-2023).
* **Money\_Supply\_M2** – Total money supply (USD).
* **Exchange\_Rates** – Currency exchange rate (local currency per USD).

**Relationships & Data Integrity**

* The **Country\_ID** in each indicator table serves as a **foreign key** linking back to the **Countries** table.
* Data is structured **yearly** to allow **trend analysis** over time.
* The database follows **normalization principles**, ensuring efficiency and minimizing redundancy.