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Portfolio Projects Description

* **World Life Expectancy -** SQL

**Description:**  
This dataset provides insights into life expectancy trends across various countries over different years. The project workflow includes importing the data, performing data quality checks such as duplicate removal and standardization, and conducting exploratory analysis to identify patterns and correlations.

**Skills:**  
Data transformation, subqueries, grouping and aggregation, data integrity checks, filtering techniques, and performance optimization.

**Technology:**  
SQL Serve

* **US\_household\_income -** SQL

**Description:**  
The dataset contains records of U.S. household income and related statistics. The project includes data loading, data cleaning (handling duplicates, standardizing values), and exploratory data analysis (EDA) to gain insights into income distribution across states.

**Skills:**  
Joins, CTEs, Window Functions, Aggregate Functions, Data Cleaning, Data Standardization, Deduplication, Data Validation.

**Technology:**  
SQL Server

* **US Debt Tracker** – Excel

**Description:**  
This dataset tracks U.S. national debt over time, including raw data, processed work data, and projections for future growth. The project involves data extraction, transformation, trend analysis, and scenario modeling to understand debt patterns and their potential impact.

**Skills:**Data wrangling, pivot tables, trend forecasting, financial analysis, data visualization, scenario planning, and data cleaning techniques.

**Technology:**  
Excel, advanced formulas, charts, pivot tables, and financial modeling techniques.