**SQL Projects #02:** [**Dataset**](https://docs.google.com/spreadsheets/d/1GT8ky61CxoOY9EHqhCE8oaXfyCDfkAW_u1T1uGsUfvo/edit?usp=sharing)

Implement an SQL Project on the Bookshop dataset, by focusing on data reconstruction, validation, and exploratory data analysis. The Project aims to ensure the integrity and reliability of the Bookshop dataset while uncovering valuable insights that can inform decision-making and future analyses.

**Reconstruct Data:**

* Import data from all sheets of the Excel file into SQL Server tables.
* Ensure proper data types for each column and handle any missing or inconsistent values.
* Establish relationships between related tables using primary and foreign keys.
* Normalize the data to minimize redundancy and improve data integrity.

**Validation:**

* Perform data validation to ensure the accuracy and consistency of the imported data.
* Check for any duplicate records within and across tables and handle them appropriately.
* Validate referential integrity constraints to ensure that foreign key values match primary key values in related tables.
* Implement check constraints to enforce domain integrity, such as valid ranges for numeric columns or specific formats for textual data.

**Exploratory Data Analysis (EDA):**

* Generate summary statistics to gain insights into the distribution and characteristics of various attributes.
* Visualize relationships between different variables using charts, histograms, or scatter plots.
* Identify outliers or anomalies in the data and investigate their potential causes.
* Explore trends over time or across different categories, such as sales trends by quarter or popularity of books by genre.
* Conduct correlation analysis to identify potential associations between different variables, such as the correlation between book ratings and sales figures.