

## Data Collection and Preprocessing Phase

|               |                                    |
|---------------|------------------------------------|
| Date          | 25 August 2025                     |
| Team ID       | <b>SWUID20250182348</b>            |
| Project Title | <b>Power BI Inflation Analysis</b> |
| Maximum Marks | 10 Marks                           |

### Data Exploration and Preprocessing Template

Identifies data sources, assesses quality issues like missing values and duplicates, and implements resolution plans to ensure accurate and reliable analysis.

| Section                      | Description  |
|------------------------------|--|
| Data Overview                | The Inflation dataset provides a comprehensive view of annual inflation trends across various countries from the year 1980 to 2024. Each row in the dataset represents a unique combination of a country and an inflation-related indicator, |
| Data Cleaning                | Remove Irrelevant Rows, Handle Missing Values, rename column, Remove Duplicate, Promote Headers, Unpivot Year Columns  |
| Data Transformation          | Use of Power Query for filter, sort, Unpivot Columns, add column and DAX measure   |
| Data Type Conversion         | Rectifying Datatype like year column is in text convert into whole number  |
| Column Splitting and Merging | merge columns  |
| Data Modeling                | Define relationships   |
| Save Processed Data          | Save the cleaned data  |

