

## **Instructions for the Test ( For Final\_Standardized\_Loan\_Data)**

### **1. Data Cleaning:**

- Identify and resolve missing or invalid values.
- Fix formatting errors (e.g., inconsistent casing in names).
- Address logical errors (e.g., mismatched dates).
- Separate Address column to House number Street Name, State, zip code

### **2. Data Transformation:**

- We want the co-borrower and co-borrower 1 details against each loan ID in a separate column.
- Identify applicants with multiple loans and summarize their total applied amount
- Add columns:
  - Loan Processing Time: Difference between sanction and applied dates.
  - Sanctioned Percentage: Ratio of sanctioned to applied amount.
  - Application count by State.

### **Report:**

- Create a clear, visual dashboard using Power BI.
- Create a charts or cards from which we can analyze the below information
  - How many loans exceed a processing time of 30 days?
  - Which region has the highest average loan amount?
  - Application count by region.
  - Average applied and sanctioned amounts.

## **Instructions for the Test (For Testdata1 )**

### **1. Data Cleaning:**

- Resolve estimated time and actual time format
- Remove duplicate records.

### **2. Transformation**

- Calculate the difference between Estimated Vs Actual time

### **3. Report:**

- Create a clear, visual dashboard using Power BI.
- Include Slicer for month, Department
- Cards for Count of Internal Project, Client Project
- Pie Chart for Project Count by Department