**Finance Bank Loan Report Dashboard (Power BI & SQL)**

**Project Overview**  
This project analyzes key metrics for a bank’s lending activity using Power BI and SQL queries, covering the analytics cycle: business problem statement, data transformation, and dashboard/report creation.

**Key Goals**

* Support data-driven reporting for loan portfolios
* Track lending KPIs and trends
* Distinguish good vs bad loans
* Visualize insights with Power BI

**Files Included**

* Dashboard\_final.pdf – Exported Power BI dashboard
* Power BI template (.pbit/.pbix) – Custom dashboard (add this file separately)
* Finance\_ProblemStatement.docx – Business requirements and KPIs
* Query\_doc\_finance.docx – SQL queries used for analytics

**Problem Statement**  
Comprehensive Bank Loan Report project to monitor lending activity and performance.  
Focus areas:

* Total Loan Applications
* Total Funded Amount
* Total Amount Received from borrowers
* Average Interest Rate
* Average Debt-to-Income (DTI)
* Good Loan vs Bad Loan KPIs

**Dashboard & Visualizations**  
The Power BI dashboard covers:

* Monthly application trends
* Regional/state analysis
* Loan terms, borrower employment length, loan purposes
* Home ownership impact on KPIs

**SQL Queries**  
All SQL queries for loan application counts, funded amounts, repayments, interest rates, and segmentation (status, state, term, purpose, employment) are included in Query\_doc\_finance.docx.

**How to Use**

1. Open Power BI template & load data
2. Review SQL queries for your database
3. Check business requirements in ProblemStatement.docx
4. Explore dashboard PDF for insights