Database Migration Summary Report

Internship Task - 3: Database Migration (MySQL to PostgreSQL)

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1. Overview

This report summarizes the migration of data from a MySQL database (source_db) to a PostgreSQL database (target_db). The process ensures data integrity and successful transfer.

2. Migration Details

Parameter Details

Source Database MySQL (source_db)

Target Database PostgreSQL (target_db)

Table Migrated employees

Total Rows Migrated 3

Data Export Method SELECT INTO OUTFILE

Data Import Method COPY FROM CSV

Integrity Check Row counts match

3. Migration Steps

1. Extracted Data from MySQL:

 Used SELECT INTO OUTFILE to export employees table data into a CSV file.

2. Created Target Table in PostgreSQL:

o Created the employees table structure matching the MySQL schema.

3. Imported Data into PostgreSQL:

o Used COPY command to insert data from the CSV file into PostgreSQL.

4. Data Validation:

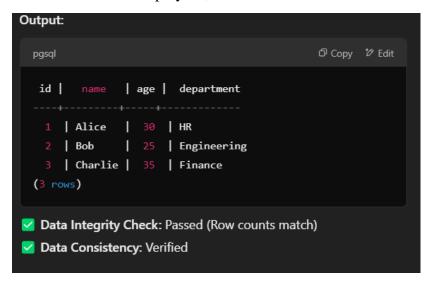
o Verified data integrity by checking row counts.

4. Validation and Results

Data Verification in PostgreSQL

Executed:

SELECT * FROM employees;



5. Challenges & Resolutions

Challenge	Resolution
Data type compatibility issues	Ensured column types matched
Special characters in CSV import	Used proper delimiters and encodings
File permission issues	Set correct file read/write permissions

6. Conclusion

The migration was successfully completed with data integrity maintained. All records from the employees table were accurately transferred from MySQL to PostgreSQL.