**1. Overview**

* **Source Database:** MySQL
* **Target Database:** PostgreSQL
* **Tool Used:** pgloader (alternative: manual SQL conversion)

**2. Steps Taken**

1. **Exported** MySQL database using mysqldump.
2. **Converted** MySQL-specific syntax to PostgreSQL-compatible format.
3. **Created** a PostgreSQL database.
4. **Imported** the modified SQL script into PostgreSQL.
5. **Verified** data integrity by comparing row counts and sample records.

**3. Issues & Solutions**

| **Issue** | **Solution** |
| --- | --- |
| AUTO\_INCREMENT in MySQL | Changed to SERIAL in PostgreSQL |
| Backticks (```) for table names | Replaced with double quotes (") |
| Different default date formats | Explicitly formatted dates before migration |

**4. Data Validation**

✅ **Row count matched** between MySQL and PostgreSQL.  
✅ **Data retrieved correctly** from PostgreSQL (SELECT \* FROM employees;).

**5. Conclusion**

Migration was **successful** with data integrity maintained