CODTECH Internship

TASK 3

Database Migration From MYSQL To PostgreSQL

NAME: S.Arun Ganesh

OBJECTIVE:

To Migration data from MYSQL to PostgreSQL While Ensure Data Integrity

TOOL USED:

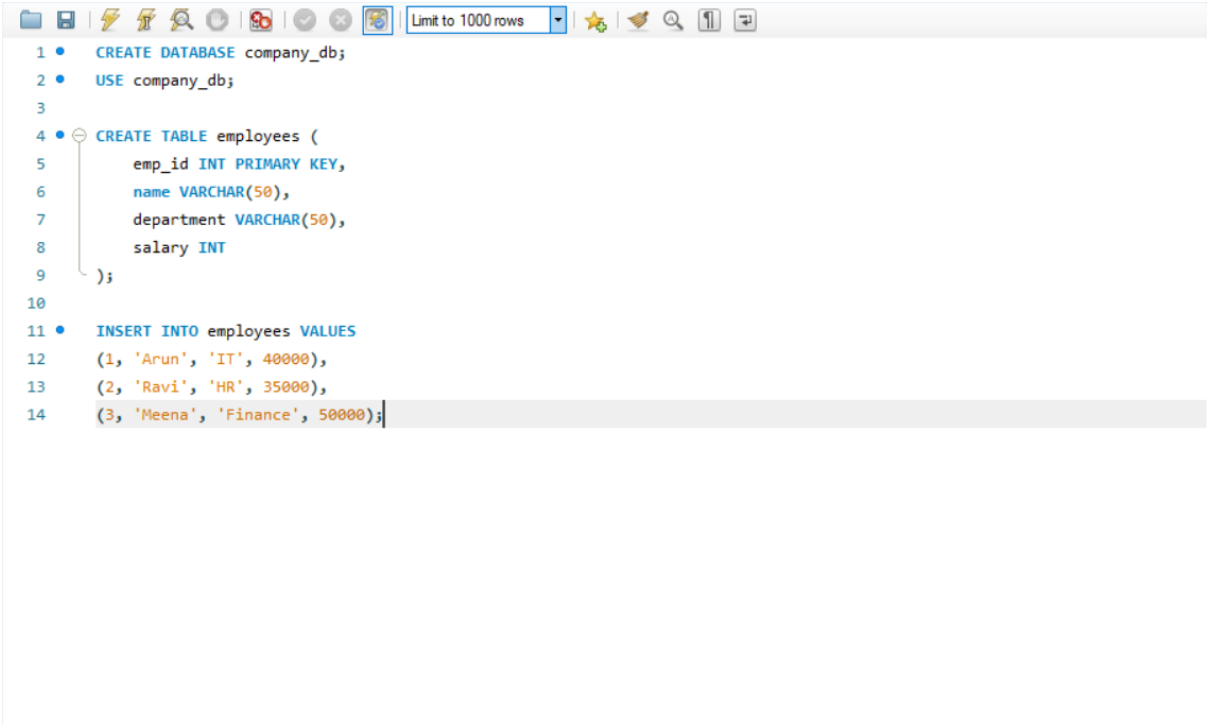
. MYSQL Workbench

. PostgreSQL

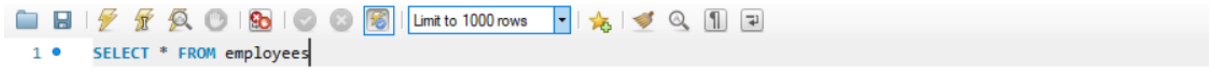
. Pgloader

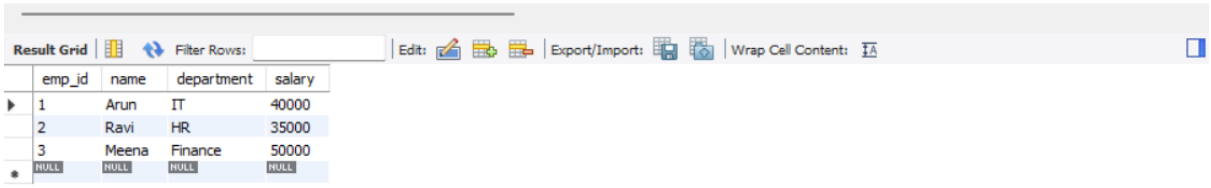
Migration Process:

1.Create database and tables and insert values in MYSQL:



2.Selecting sample data:





emp_id	name	department	salary
1	Arun	IT	40000
2	Ravi	HR	35000
3	Meena	Finance	50000
NULL	NULL	NULL	NULL

3.Created target PostgreSQL database:

Query | Query History

```sql
CREATE TABLE employees (
    emp_id INT PRIMARY KEY,
    name VARCHAR(100),
    department VARCHAR(50),
    salary INT
);

INSERT INTO employees VALUES
(1, 'Arun', 'HR', 30000),
(2, 'Bala', 'IT', 50000),
(3, 'Chitra', 'Finance', 45000);
```

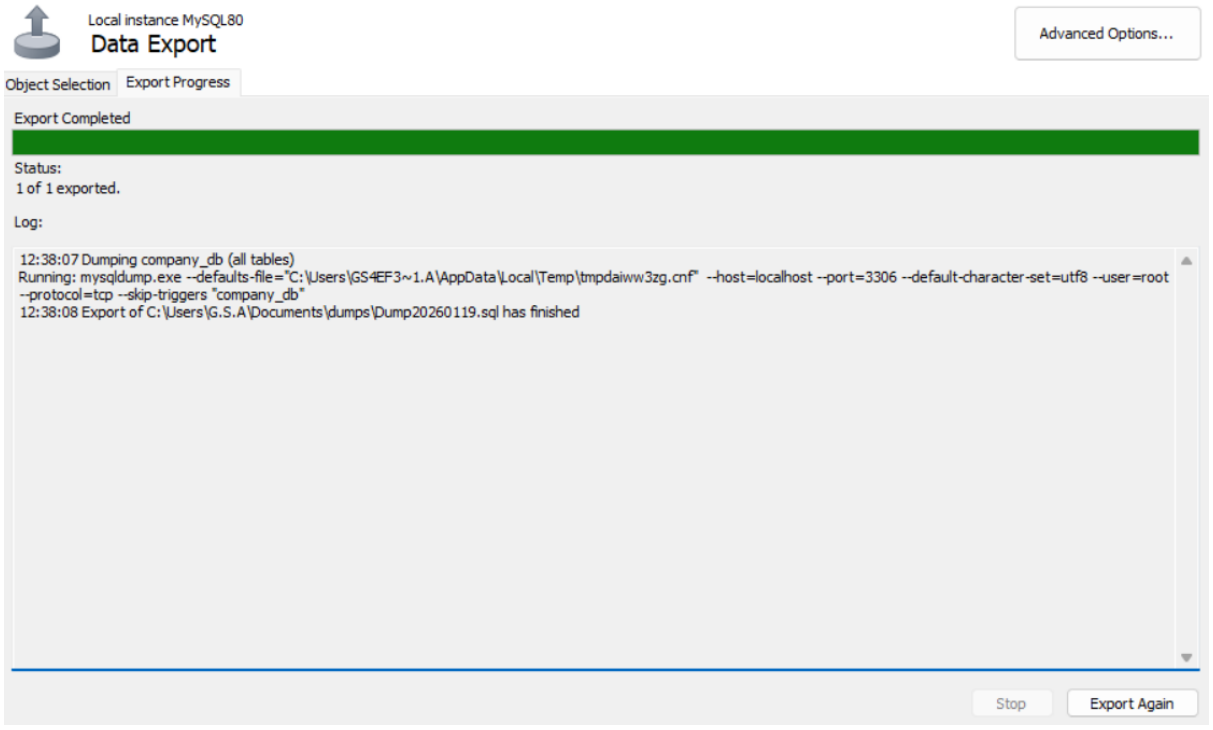
Data Output | Messages | Notifications

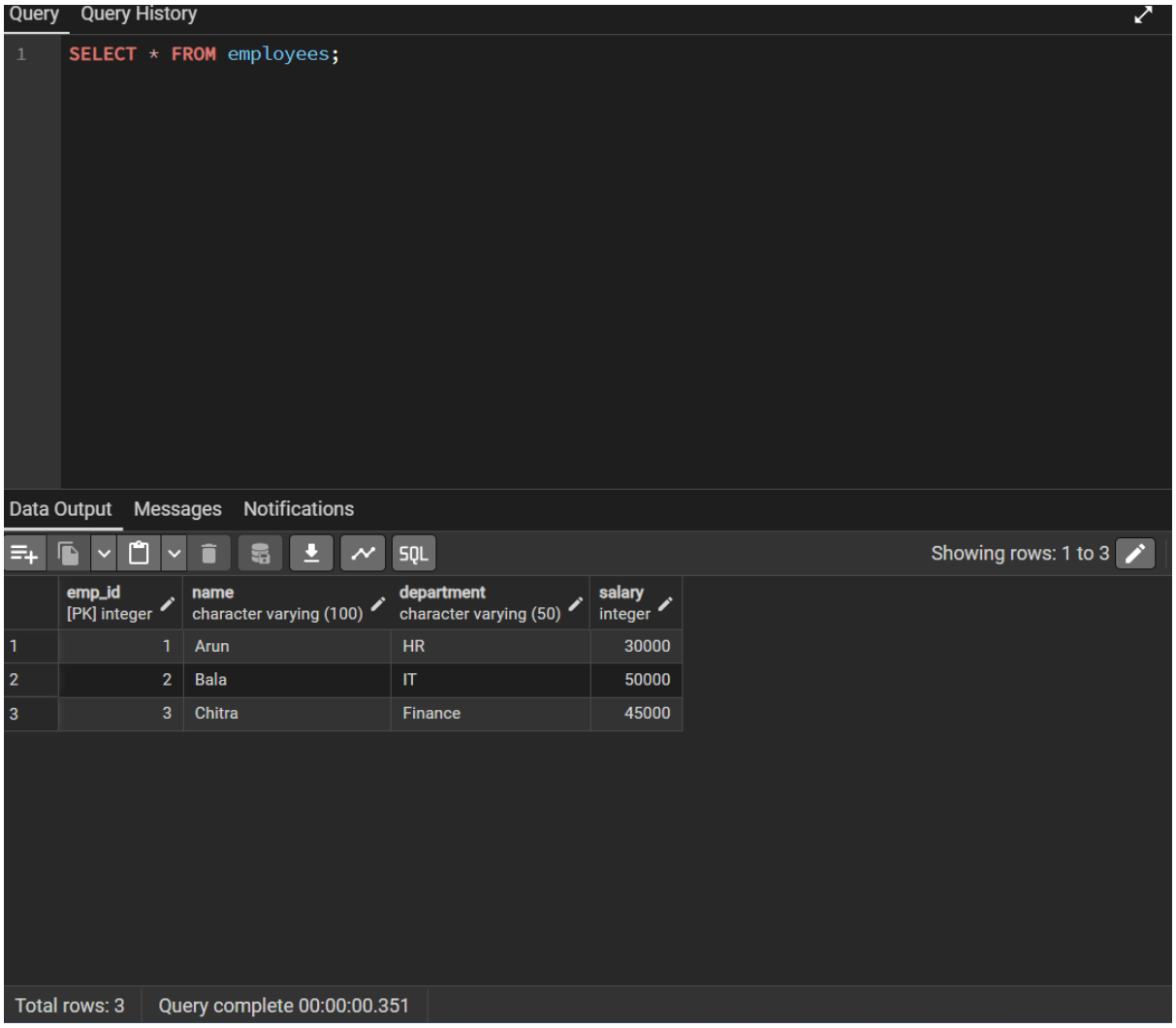
```
INSERT 0 3

Query returned successfully in 105 msec.
```

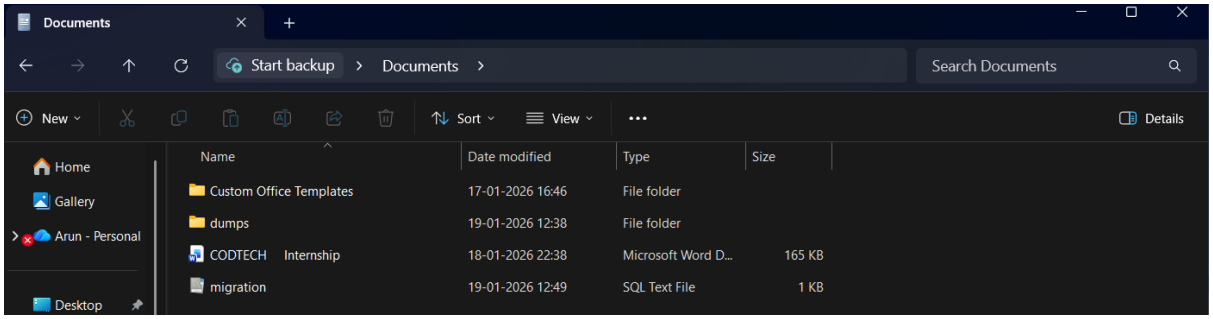
Total rows: | Query complete 00:00:00.105

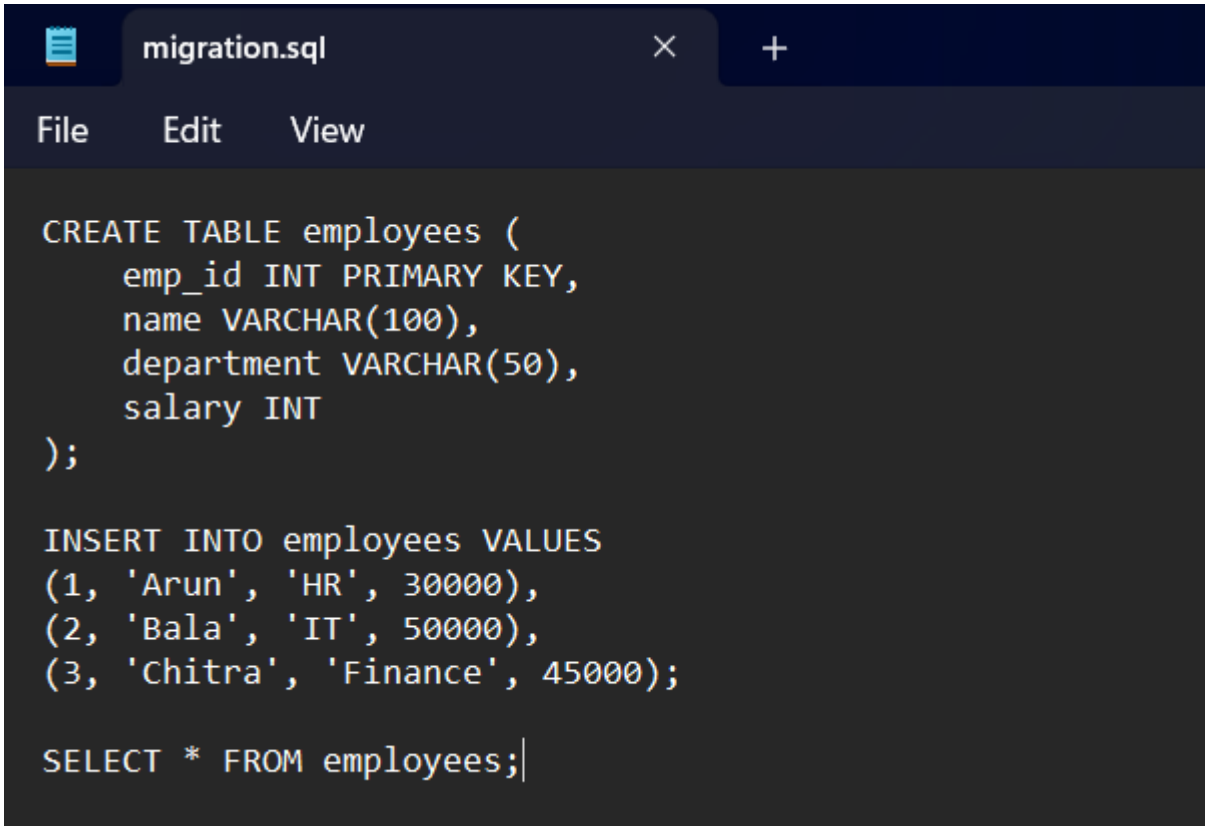
4.Used pgloader for migration:


Local instance MySQL80
Data Export
Advanced Options...
Object Selection
Export Progress
Export Completed
Status:
1 of 1 exported.
Log:
12:38:07 Dumping company_db (all tables)
Running: mysqldump.exe --defaults-file="C:\Users\GS4EF3~1.A\AppData\Local\Temp\tmpdaiww3zg.cnf" --host=localhost --port=3306 --default-character-set=utf8 --user=root --protocol=tcp --skip-triggers "company_db"
12:38:08 Export of C:\Users\G.S.A\Documents\dumps\Dump20260119.sql has finished
Stop
Export Again



5.Verified migration data:





Result:

Data successfully migrated without data loss

Conculusion:

The migration process was completed successfully ensure data integrity