

## TASK 3: Database Migration Report

### Migration Summary

Migration Date: 2025-07-07

Source Database: MySQL 5.7 (Docker Container on port 3307)

Target Database: PostgreSQL (Localhost on port 5432)

Migration Tool: pgloader (v3.6.7~devel)

Table Migrated: athletes

Rows Migrated: 3

Data Integrity: Verified (0 errors)

Migration Time: ~0.2 seconds

### pgloader Script

```
LOAD DATABASE
  FROM mysql://root:rootpass@localhost:3307/sports
  INTO postgresql://postgres:vishnu@localhost/sports_pg

WITH include no drop, create tables, create indexes, reset sequences

SET maintenance_work_mem to '128MB',
    work_mem to '12MB',
    search_path to 'public'

CAST type datetime to timestamptz drop default drop not null using zero-dates-to-null

ALTER schema 'sports' rename to 'public';
```

### SQL Script Used in MySQL

```
USE sports;

CREATE TABLE athletes (
  id INT PRIMARY KEY,
  name VARCHAR(100),
  country VARCHAR(50),
  sport VARCHAR(50)
);
```

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```
INSERT INTO athletes VALUES
(1, 'Neeraj Chopra', 'India', 'Javelin'),
(2, 'PV Sindhu', 'India', 'Badminton'),
(3, 'Usain Bolt', 'Jamaica', 'Sprinting');
```