**Test for Database Management**

**Objective:**  
Evaluate the ability to work with JSON data files, manage databases, create data pipelines, and ensure data synchronization between systems.

**Part 1: Data Loading and Database Setup**

**Data Files:**

* + You have been provided with two JSON data files: **company.json** and **address.json**.

**Task:**

* + Clean and load the data from the provided JSON files into a MySQL database. Pay attention to relationship between the table, configure foreign key if needed.
  + Make a test on insert new rows to the company table. If the company is already in the table, update the existing row instead of creating the new record.

**Part 2: Data Pipeline Development**

**Task:**

* + Develop a data pipeline that migrates data from the MySQL database to an Elasticsearch db. Ensure all necessary data types are correctly assigned in Elasticsearch (e.g., strings, integers, dates, json string).

**Part 3: Synchronize Changes**

**Task:**

* + Implement a mechanism that ensures Elasticsearch stays synchronized with MySQL whenever new row is added or existing data is updated in the MySQL database.