**Automate Target and Source Table Column Comparison With Java**

We may encounter a situation where we need to check if the source system adds or drops columns regularly. For example, when the source system is constantly going through a heavy development, the audit process automation can be helpful.

The code uses JDBC for both target and source database connections. You need to compile the code with appropriate JDBC drivers. It takes the target schema as an argument and checks all the tables in the specified schema in the target database. It will create an output to show which table has added or dropped columns as a csv file. Database connection and metadata retrieval are managed by the Database class.

The advantage of this design is that you can use the same jar file for multiple data sources as long as you compile the code with JDBC driver. The code is vendor neutral.

The code can be scheduled to run in a server or ETL tool with notification. You can even fetch the csv file and write it to a database table.

Fun!

**Code**

**Database.java**

**Main.java**

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