# CompareDB - User Manual

## 📊 CompareDB - Database Comparer Utility

Overview

CompareDB is a lightweight standalone desktop application that allows users to compare the schema and data of two different databases using a simple and intuitive UI. It supports two modes:

1. Full Database Comparison

2. Specific Table Comparison

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## 🚀 Getting Started

1. Running the Application

- Double-click the CompareDB.jar file.

- Alternatively, run via command line:

java -jar CompareDB.jar

2. Using the Application

- A UI window will appear asking for:

• Database A: URL, Username, Password, Type

• Database B: URL, Username, Password, Type

3. Compare Mode

- A toggle button titled “Compare Mode” is available on the UI.

- When the toggle is OFF → Application performs \*\*Full Database Comparison\*\*.

- When the toggle is ON → Application enables \*\*Specific Table Comparison\*\*.

• Two additional input fields appear:

- Table Name from Database A

- Table Name from Database B

• Enter the respective table names you want to compare.

4. Submitting Input

- After entering the necessary details, click Submit.

- For table comparison mode, ensure table names are filled to avoid errors.

5. What Happens Next?

- The application saves your input in dbInput.txt.

- Displays a success message: “Configuration has been saved successfully”.

- Performs comparison based on selected mode:

• Full comparison → compares all tables & fields

• Specific table comparison → compares only the chosen tables

- Generates db\_output.txt at the same folder as CompareDB.jar & saves the Output into it.  
 - Displays a success message: “Database comparison has been completed successfully. Please check db\_output.txt file.”.

- In case of any error, it logs a error message to Output file.

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## 🛠 Features

• Simple, clean UI – no command-line needed

• Supports MySQL, SQL Server, Oracle

• Two comparison modes:

- Full Database Comparison

- Specific Table Comparison

• Dynamic connection to local & remote DBs

• Auto-generated files:

- dbInput.txt (input parameters)

- db\_output.txt (comparison results)

• Cross-platform: works on any OS with Java

• Self-contained: no installation required

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## 📋 Requirements

• Java 11 or higher installed

• Valid database credentials

• Accessible database instances

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## 📦 Folder Structure After Execution

/CompareDB/

├── CompareDB.jar

├── dbInput.txt

├── db\_output.txt

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## ❓ Troubleshooting

• Ensure DB server allows external connections

• Verify required ports (3306/MySQL, 1433/MSSQL) are open

• For cloud DBs, whitelist your IP

• If Compare Mode is ON, ensure table names are valid and exist in respective databases

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## 📞 Support

For issues or suggestions, contact:

[dastagir.mulani@accenture.com](mailto:dastagir.mulani@accenture.com)

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**📂 Application File/ZIP  
**(Just Copy the above Zip to Desired Location, Unzip it, Run the Application)

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