

Currency Exchange to BDT (Java + MySQL + XAMPP)

A simple Java console app that connects to a MySQL database (via XAMPP) to manage and convert top foreign currencies to BDT 🇧🇩.

🎯 Perfect **for** students or beginners learning JDBC + MySQL + Java projects!

✨ Features

- ◆ View all exchange rates
- ◆ Add new currency & rate 📈
- ◆ Update currency rates 🔧
- ◆ Delete currency ✖
- ◆ Convert any amount of a currency to BDT 💰
- ◆ MySQL database integration via JDBC 🔗

🧰 Tech Stack

- 🧠 Language: Java (JDK 8+)
- 🗄 Database: MySQL (via XAMPP)
- 🔌 Connector: JDBC (mysql-connector-j)
- 💻 Interface: Console-based UI





🔧 Getting Started

✅ Prerequisites

```
Java installed (java -version)
XAMPP installed and running (MySQL)
MySQL JDBC Connector (mysql-connector-j-9.2.0.jar) included in the project
```



Database Setup

-  Start XAMPP → Start MySQL
-  Go to `http://localhost/phpmyadmin`
-  Import `currencydb.sql`
-  Done! Your DB and table are ready.



Folder Structure

```
CurrencyExchangeJavaProject/  
├── Main.java  
├── DBConnection.java  
├── CurrencyService.java  
├── currencydb.sql  
├── mysql-connector-j-9.2.0.jar  
└── README.md
```



How to Compile & Run



On Windows CMD:

```
javac -cp ".;mysql-connector-j-9.2.0.jar" *.java  
java -cp ".;mysql-connector-j-9.2.0.jar" Main
```



On Mac/Linux:

```
javac -cp ".:mysql-connector-j-9.2.0.jar" *.java  
java -cp ".:mysql-connector-j-9.2.0.jar" Main
```