Steps to running JDBC Application:

Step 1: Install Java (JDK) if not available in your system

Open a terminal and run:

**java --version**

Step 2: Install MySQL Server

You can install MySQL to test JDBC with a real database:

**sudo apt install mysql-server**

Start MySQL service:

**sudo systemctl start mysql**

Log into MySQL shell:

**sudo mysql -u root –p**

Create a test database and user:

mysql> CREATE DATABASE testdb;

mysql> USE testdb;

mysql> CREATE USER 'testuser'@'localhost' IDENTIFIED BY 'testpass';

mysql> GRANT ALL PRIVILEGES ON testdb.\* TO 'testuser'@'localhost';

mysql> FLUSH PRIVILEGES;

mysql> EXIT;

Step 3:

Download mysql-connector

**wget <https://repo1.maven.org/maven2/com/mysql/mysql-connector-j/8.0.33/mysql-connector-j-8.0.33.jar>**

This command will download the JAR file to your current directory.

Step 4:

Write Your JDBC Application Program for CRUD(Create,Retrive,Update,Delete) Application Using gedit or nano or vi Editor

Step-5:

compile your code:

javac -cp .:mysql-connector-j-8.0.33.jar Filename(ClassName).java

Run the program again:

java -cp .:mysql-connector-j-8.0.33.jar Filename(ClassName).java

You should now connect successfully and see your output here