# JDBC Connection

## Creating Db in Workbench

**Query:**

CREATE DATABASE jobportal;

USE jobportal;

CREATE TABLE users (

id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(100) NOT NULL,

email VARCHAR(100) UNIQUE NOT NULL

);

INSERT INTO users (name, email) VALUES

('Alice Johnson', 'alice@example.com'),

('Bob Smith', 'bob@example.com'),

('Charlie Brown', 'charlie@example.com');

**Code:**

package com.example;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

/\*\*

 \* Hello world!

 \*

 \*/

public class App

{

    // Database credentials

    private static final String URL = "jdbc:mysql://localhost:3306/jobportal";  // Replace with your DB name

    private static final String USER = "root"; // Your MySQL username

    private static final String PASSWORD = "root"; // Your MySQL password

    public static Connection getConnection() {

        Connection conn = null;

        try {

            // Load MySQL JDBC Driver

            Class.forName("com.mysql.cj.jdbc.Driver");

            // Establish the connection

            conn = DriverManager.getConnection(URL, USER, PASSWORD);

            System.out.println("Connected to MySQL Database!");

        } catch (ClassNotFoundException e) {

            System.out.println("JDBC Driver not found!");

            e.printStackTrace();

        } catch (SQLException e) {

            System.out.println("Connection failed! Check database credentials.");

            e.printStackTrace();

        }

        return conn;

    }

    public static void fetchData() {

        Connection conn = getConnection();

        if (conn == null) {

            System.out.println("❌ Database connection failed.");

            return;

        }

        String query = "SELECT \* FROM users";  // SQL Query

        try (Statement stmt = conn.createStatement();

             ResultSet rs = stmt.executeQuery(query)) {

            System.out.println("📄 User Data:");

            System.out.println("----------------------------");

            while (rs.next()) {

                int id = rs.getInt("id");

                String name = rs.getString("name");

                String email = rs.getString("email");

                System.out.println("ID: " + id + " | Name: " + name + " | Email: " + email);

            }

            System.out.println("----------------------------");

        } catch (SQLException e) {

            e.printStackTrace();

        }

    }

    public static void main(String[] args) {

        fetchData(); // Test the connection

    }

}

**Screenshot:**

A screenshot of a computer

AI-generated content may be incorrect.