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Practical No: 10

1) **Connect to database via JDBC and print the table data**

CODE:

import java.sexp10Annection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.Statement;

public class exp10 {

    public static *void* main(*String*[] *args*) {

        // Database connection variables

*String* url = "jdbc:mysql://localhost:3306/dbms"; // JDBC URL for MySQL database

*String* user = "root"; // MySQL username

*String* password = ""; // MySQL password

        try {

            // Establish a connection to the database

*Connection* connection = DriverManager.getConnection(url, user, password);

            System.out.println("Connection to MySQL database established successfully.");

            // Example: Querying the emp table

*String* querySQL = "SELECT \* FROM emp";

*Statement* statement = connection.createStatement();

*ResultSet* resultSet = statement.executeQuery(querySQL);

            // Display the results

            System.out.println("Employee Details:");

            while (resultSet.next()) {

*int* id = resultSet.getInt("id");

*String* name = resultSet.getString("name");

*String* department = resultSet.getString("department");

*double* salary = resultSet.getDouble("salary");

                System.out.println("ID: " + id + ", Name: " + name + ", Department: " + department + ", Salary: " + salary);

            }

            // Clean up and close resources

            resultSet.close();

            statement.close();

            connection.close();

            System.out.println("Database connection closed.");

        } catch (*Exception* *e*) {

            e.printStackTrace();

        }

    }

}

OUTPUT:

