24/5/2025

**MYSQL to JAVA IDE Connection**

package MyPackage ;

import java.sql.\* ;

import java.sql.DriverManager;

public class DatabaseConnection

{

public static void main(String[] args)

{

try{

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

Connection con=DriverManager.getConnection("jdbc:mysq://localhost:3306/ORG123","root","Harsh@1372");

System.out.println(con);

}

catch(Exception e){

System.out.println("Error");

}

}

}

**Showing DataBase**

import java.sql.\*;  
  
public class Main {  
 public static void main(String[] args) {  
 String url = "jdbc:mysql://localhost:3306/ORG123";  
 String user = "root";  
 String password = "Harsh@1372";  
  
 try {  
 Class.*forName*("com.mysql.cj.jdbc.Driver");  
  
 Connection conn = DriverManager.*getConnection*(url, user, password);  
  
 String query = """  
 SELECT   
 w.WORKER\_ID,  
 w.FIRST\_NAME,  
 w.LAST\_NAME,  
 w.SALARY,  
 w.DEPARTMENT,  
 t.WORKER\_TITLE,  
 t.AFFECTED\_FROM  
 FROM Worker w  
 LEFT JOIN Title t ON w.WORKER\_ID = t.WORKER\_REF\_ID  
 """;  
  
 Statement stmt = conn.createStatement();  
 ResultSet rs = stmt.executeQuery(query);  
  
   
 while (rs.next()) {  
 int id = rs.getInt("WORKER\_ID");  
 String fname = rs.getString("FIRST\_NAME");  
 String lname = rs.getString("LAST\_NAME");  
 double salary = rs.getDouble("SALARY");  
 String dept = rs.getString("DEPARTMENT");  
 String title = rs.getString("WORKER\_TITLE");  
 Timestamp fromDate = rs.getTimestamp("AFFECTED\_FROM");  
  
 System.*out*.println("ID: " + id + ", Name: " + fname + " " + lname +  
 ", Dept: " + dept + ", Title: " + title +  
 ", Salary: ₹" + salary + ", Title From: " + fromDate);  
 }  
  
 rs.close();  
 stmt.close();  
 conn.close();  
  
 } catch (Exception e) {  
 e.printStackTrace();  
 }  
 }  
}

**CRUD Operation:**

**import java.sql.\*;  
  
public class CRUD {  
 public static void main(String[] args) {  
 String url = "jdbc:mysql://localhost:3306/ORG123";  
 String user = "root";  
 String password = "Harsh@1372";  
  
 try {  
  
 Class.*forName*("com.mysql.cj.jdbc.Driver");  
  
 Connection conn = DriverManager.*getConnection*(url, user, password);  
  
  
 String sql = "INSERT INTO Worker (FIRST\_NAME, LAST\_NAME, SALARY, JOINING\_DATE, DEPARTMENT) VALUES (?, ?, ?, ?, ?)";  
 String query = "SELECT \* FROM Worker";  
  
 PreparedStatement ps = conn.prepareStatement(sql);  
  
  
 ps.setString(1, "Ravi");  
 ps.setString(2, "Sharma");  
 ps.setDouble(3, 75000.0);  
 ps.setTimestamp(4, Timestamp.*valueOf*("2024-05-20 09:00:00"));  
 ps.setString(5, "Tech");  
 ps.executeUpdate();  
  
 ps.setString(1, "Anjali");  
 ps.setString(2, "Mehra");  
 ps.setDouble(3, 65000.0);  
 ps.setTimestamp(4, Timestamp.*valueOf*("2024-05-21 09:00:00"));  
 ps.setString(5, "Marketing");  
 ps.executeUpdate();  
  
 System.*out*.println("2 workers inserted successfully!");  
  
 ps.close();  
 conn.close();  
 } catch (Exception e) {  
 e.printStackTrace();  
 }  
 }  
}**