**23-08-2024**

1] My\_sql connections

package connection;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.ResultSetMetaData;

import java.sql.SQLException;

import java.sql.Statement;

public class Connections {

public static void main(String[] args) {

String driver = "com.mysql.cj.jdbc.Driver";

String url = "jdbc:mysql://localhost:3306/hr?serverTimezone=UTC";

String user = "root";

String password = "root";

try {

Class.*forName*(driver);

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

Statement st = con.createStatement();

ResultSet rs = st.executeQuery("SELECT \* FROM departments")) {

ResultSetMetaData rsMetaData = rs.getMetaData();

int numberOfColumns = rsMetaData.getColumnCount();

for (int i = 1; i <= numberOfColumns; i++) {

System.***out***.print(rsMetaData.getColumnName(i) + " ");

}

System.***out***.println();

while (rs.next()) {

for (int i = 1; i <= numberOfColumns; i++) {

System.***out***.print(rs.getString(i) + " ");

}

System.***out***.println();

}

} catch (SQLException e) {

System.***out***.println("SQL Exception: " + e.getMessage());

}

} catch (ClassNotFoundException e) {

System.***out***.println("Class Not Found Exception: " + e.getMessage());

}

}

}

**Output:**

