Name: Harsh Ratna

PRN: 21070126032

Div: AIML(A2)

JAVA Assignment-9

Code:-

DBUtil.java

package CountryDemo.services;  
  
import java.sql.\*;  
public class DBUtil {  
 private static Connection *connection* = null;  
  
 private DBUtil() {} // Constructor  
  
 public static Connection getConnection() throws SQLException  
 {  
 if (*connection* == null)  
 {  
 String username = "admin";  
 String password = "admin";  
 String url = "jdbc:mysql://localhost:3306/HR";  
 // Creating the connection  
 *connection* = DriverManager.*getConnection*(url, username, password);  
  
 }  
 return *connection*;  
 }  
}

CountryDemo.java

package CountryDemo.CountryDemo;  
  
import CountryDemo.services.DBUtil;  
  
import java.sql.Connection;  
import java.sql.ResultSet;  
import java.sql.SQLException;  
import java.sql.Statement;  
  
public class CountryDemo {  
 public static class CountryServices {  
 public static void main(String[] args)  
 {  
 String sql = "select country\_name from countries";  
 try(Connection connection = DBUtil.*getConnection*();  
 Statement statement = connection.createStatement()){  
 ResultSet resultSet = statement.executeQuery(sql); // In case of select executeQuery is used  
 int count = 0;  
 while(resultSet.next())  
 {  
 count++;  
 System.*out*.println(resultSet.getString("country\_name"));  
 }  
 System.*out*.println(count+ " countries found");  
 resultSet.close();  
 }catch (SQLException ex)  
 {  
 System.*out*.println("Problem:" + ex.getMessage());  
 }  
 }  
 }  
}

OUPUT:-

Text

Description automatically generated

**Github**:

**https://github.com/Harsh-Ratna/Java-Programs/tree/main/assignment9**