PROGRAMMING IN JAVA LAB-9

//
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Batch-AIML A1
Write a Java Program demonstrating the database connectivity in java.

//

CODE:

DBUtil.java

```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

```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) {
```

```java
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

{
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()); }

} }

}
```

OUTPUT:

```
Israel
India
Italy
Japan
Kuwait
Mexico
Nigeria
Netherlands
Singapore
United Kingdom
United States of America
Zambia
Zimbabwe
25 countries found
```

GITHUB LINK:
https://github.com/Aayu03/JAVA/tree/main/ASSIGNMENT-9