

**CODE:**

Country.java

```
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
import java.sql.*;

public class country extends HttpServlet{
    public void doGet(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException{
        String JDBC_DRIVER = "com.mysql.jdbc.Driver";
        String DB_URL= "jdbc:mysql://localhost:3306/country";

        String USER ="root";
        String PASS="srinithyee123";

        try{
            response.setContentType("text/html");
            PrintWriter pw = response.getWriter();
            Connection conn = DriverManager.getConnection(DB_URL,USER,PASS);

            String country_name = request.getParameter("country");

            String search = "Select country from countries where country like '"+country_name+"%' ";
            Statement stmt = conn.createStatement();

            ResultSet rs = stmt.executeQuery(search);

            while(rs.next()){
                String country = rs.getString("country");
                pw.println("<option name='"+country+"'>" +country+"</option>");
            }
        }catch(Exception E){
            E.printStackTrace();
        }
    }
}
```

Index.html

```
<!DOCTYPE html>
<html lang=en>
  <head>
    <meta charset ="utf-8">
```

```
<meta name="viewport" content="width=device-width, initial-
scale=1, shrink-to-fit=no">
<title>Select Country</title>
<style>
  body{
    text-align: center;
    justify-content: center;
    align-content:center;
    background-color: red
  }

  h1{
    text-align:center;
    color: white;
    margin-top: 120px;
  }

  #selection{
    text-align: center;
    justify-content: center;
    margin: auto;
    max-width: 650px;
    min-height: 200px;
    align-content:center;
  }

  #selection label{
    margin-top: 50px;
  }

  #selection input{
    margin-top: 90px;
    min-width: 400px;
  }
</style>

</head>

<body>
  <h1>Search the Country of choice</h1>
  <br><br><br>

  <div id="selection">
    <label for="country" style="color: white; font-
size: larger;">Select: &nbsp;&nbsp;&nbsp;</label>
    <input type="text" id="country" list="countries" onkeyup="getCountry(
)" /><datalist id ="countries">
    </datalist>
```

```
</div>
<script>

    //document.addEventListener('DOMContentLoaded', () =>{
    function fetch(country){
        var request = new XMLHttpRequest();

        var URL = "country?country="+country;

        request.onreadystatechange = function(){
            if(this.readyState == 4 && this.status == 200) {
                var val = request.responseText;
                console.log(val)
                document.getElementById("countries").innerHTML = val;
            }
        };
        request.open('GET', URL, true);

        request.send();
    }

    function getCountry(){
        var country = document.getElementById("country").value;
        fetch(country);
    }
    //});

</script>
</body>

</html>
```

Web.xml

```
<web-app>

<servlet>
<servlet-name>Country</servlet-name>
<servlet-class>country</servlet-class>
</servlet>

<servlet-mapping>
<servlet-name>Country</servlet-name>
<url-pattern>/country</url-pattern>
</servlet-mapping>

</web-app>
```

**SCREENSHOT:**