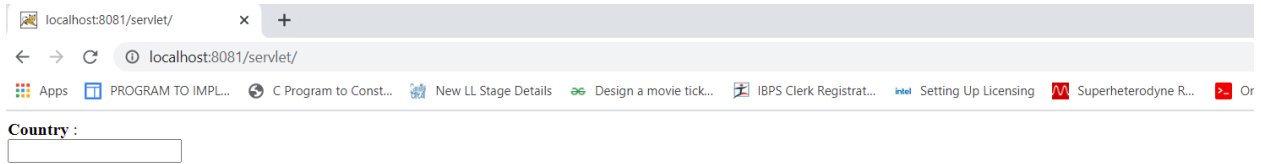


Exercise – 8

Autocomplete Feature using AJAX

Gayathri M-185001050

Output And Code:

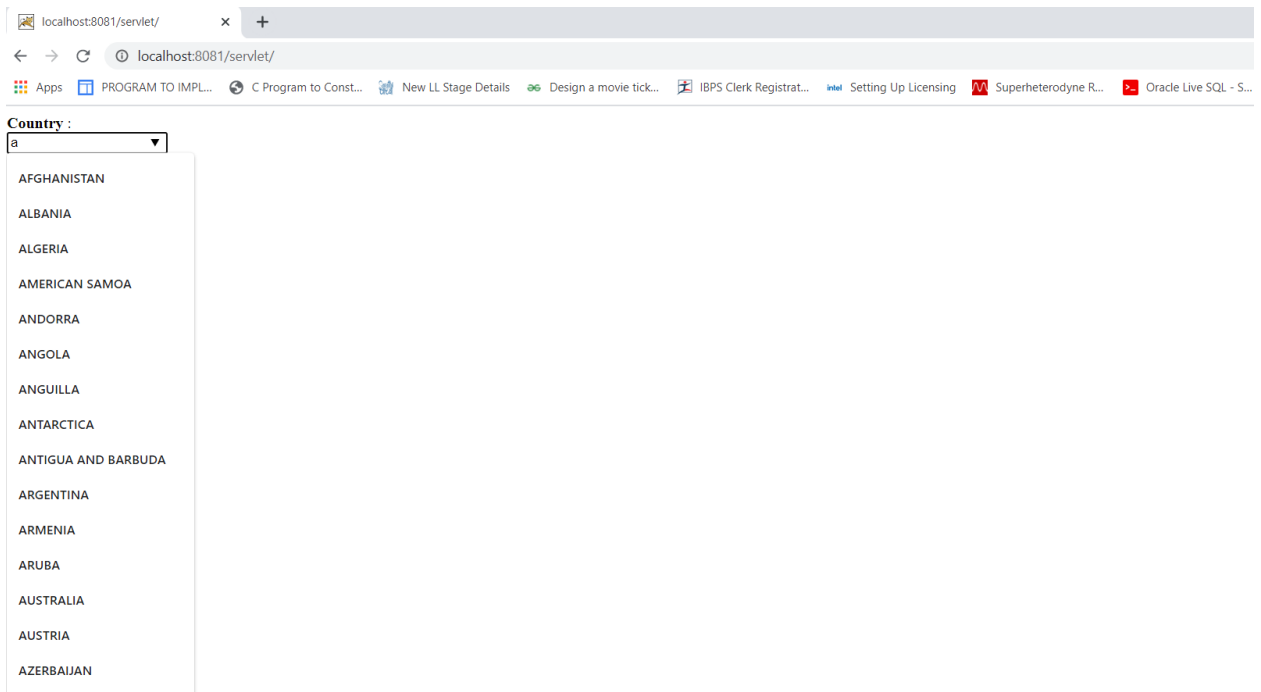


localhost:8081/servlet/ x +

localhost:8081/servlet/

Apps PROGRAM TO IMPL... C Program to Const... New LL Stage Details Design a movie tick... IBPS Clerk Registrat... Setting Up Licensing Superheterodyne R... Or

Country :



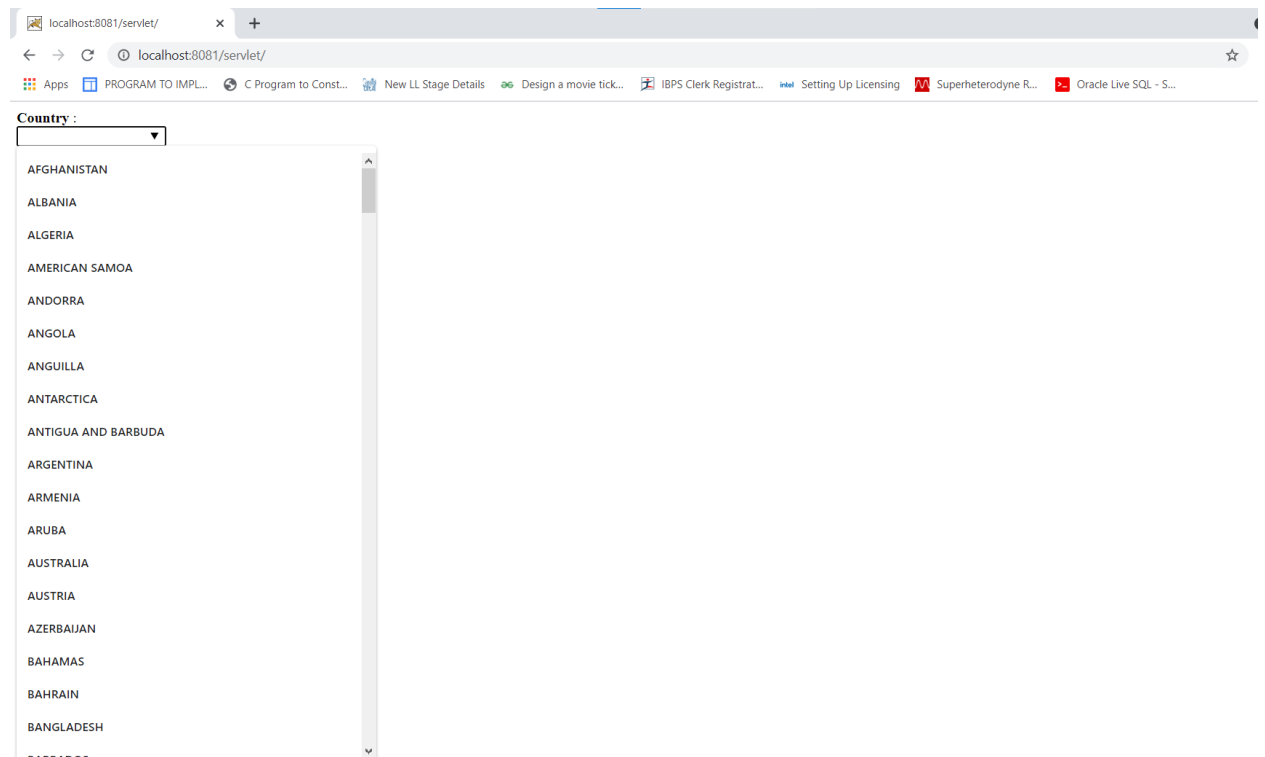
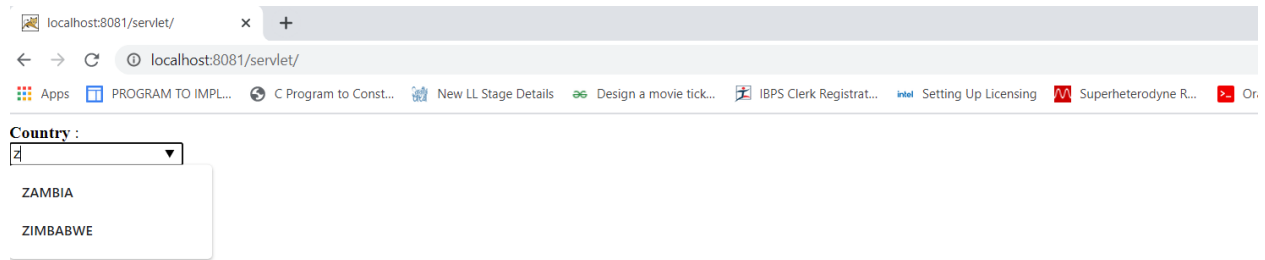
localhost:8081/servlet/ x +

localhost:8081/servlet/

Apps PROGRAM TO IMPL... C Program to Const... New LL Stage Details Design a movie tick... IBPS Clerk Registrat... Setting Up Licensing Superheterodyne R... Oracle Live SQL - S...

Country :

- AFGHANISTAN
- ALBANIA
- ALGERIA
- AMERICAN SAMOA
- ANDORRA
- ANGOLA
- ANGUILLA
- ANTARCTICA
- ANTIGUA AND BARBUDA
- ARGENTINA
- ARMENIA
- ARUBA
- AUSTRALIA
- AUSTRIA
- AZERBAIJAN



Code

Web.xml

```
<web-app>
<servlet>
<servlet-name>country</servlet-name>
<servlet-class>AjaxCountryList</servlet-class>
</servlet>
<servlet-mapping>
<servlet-name>country</servlet-name>
<url-pattern>/AjaxCountryList</url-pattern>
</servlet-mapping>
</web-app>
```

Index.html

```
<!doctype html>
<html>
<head>
<script>
var request;
function sendInfo(value)
{
/*var v=document.myform.t1.value; */
var url="AjaxCountryList?val="+value;
if(window.XMLHttpRequest){
request=new XMLHttpRequest();
}
else if(window.ActiveXObject){
request=new ActiveXObject("Microsoft.XMLHTTP");
}
try
{
request.onreadystatechange=getInfo;
request.open("GET",url,true);
request.send();
}
}
```

```

catch(e)
{
alert("Unable to connect to server");
}
}function getInfo(){
if(request.readyState==4){
var val=request.responseText;
document.getElementById('myspan').innerHTML=val;
}}
</script>
</head>
<body>
<form name="myform">
<b>Country</b> :<br>
<input list="listc" type="text" id="country" name="country"
onkeyup="sendInfo(this.value);" />
</form>
<span id="myspan"> </span>
</body>
</html>

```

AjaxCountryList.java

```

import java.io.*;
import jakarta.servlet.*;
import jakarta.servlet.http.*;
import java.sql.*;
import java.util.*;
public class AjaxCountryList extends HttpServlet
{
public void doGet(HttpServletRequest req,HttpServletResponse res)throws
IOException,ServletException
{
res.setContentType("text/html");
PrintWriter out=res.getWriter();
String query = (String)req.getParameter("val");
Connection conn=null;

```

```

try{
String url="jdbc:mysql://localhost:3306/sample";
String user="root";
String password="Test1234@";
Class.forName("com.mysql.cj.jdbc.Driver");
conn=DriverManager.getConnection(url,user,password);String msg="select name
from country where name like
"+query+"%";
PreparedStatement st=conn.prepareStatement(msg);
ResultSet ress = st.executeQuery();
out.print("<datalist id=\"listc\">");
while(ress.next())
{
out.print("<option value=\""+ress.getString(1)+"\">");
}
out.close();
ress.close();
st.close();
}
catch(SQLException se)
{
se.printStackTrace();
}
catch(Exception e)
{
e.printStackTrace();
}
finally{
try{
if(conn!=null)
{
conn.close();
out.close();
}}
catch(SQLException se)
{
se.printStackTrace();}}}}

```