WPS ASSIGNMENT-II

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CSE-A

QUESTION 1:

Write an XSLT file to display the data in a table using HTML constructs that lists all countries that have more than 3 languages. Each row should contain the country name in bold, population, area, and number of languages. Sort the rows in descending order of number of languages.

<countries>

<country name="Afghanistan" population="22664136" area="647500">

<language percentage="11">Turkic</language>

<language percentage="35">Pashtu</language>

<language percentage="50">Afghan Persian</language>

</country>

<country name="Albania" population="3249136" area="28750"/>

<country name="Algeria" population="29183032" area="2381740">

<city>

<name>Algiers</name>

<population>1507241</population>

</city>

</country>

<country name="American Samoa" population="59566" area="199"/>

<country name="Andorra" population="72766" area="450"/>

<country name="Angola" population="10342899" area="1246700"/>

<country name="Anguilla" population="10424" area="91">

<language percentage="100">English</language>

</country>

<country name="Antigua and Barbuda" population="65647" area="440">

<language percentage="100">English</language>

</country>

<country name="Argentina" population="34672996" area="2766890">

<city>

<name>La Matanza</name>

<population>1111811</population>

</city>

<city>

<name>Cordoba</name>

<population>1208713</population>

</city>

<city>

<name>Rosario</name>

<population>1118984</population>

</city>

<city>

<name>Buenos Aires</name>

<population>2988006</population>

</city>

</country>

<country name="Armenia" population="3463574" area="29800">

<city>

<name>Yerevan</name>

<population>1200000</population>

</city>

<language percentage="2">Russian</language>

<language percentage="96">Armenian</language>

</country>

</countries>

Write JDBC program to store the above information in DB.

ANSWER:

<?xml version="1.0" encoding="ISO-8859-1"?>

<xsl:stylesheet version="2.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">

<xsl:template match="countries">

<html>

<table border="1">

<xsl:for-each select="country[count(language) &gt; 3]">

<xsl:sort select="count(language)" order="descending" />

<tr>

<td><b><xsl:value-of select="@name" /></b></td>

<td><xsl:value-of select="@population" /></td>

<td><xsl:value-of select="@area" /></td>

<td><xsl:value-of select="count(language)" /></td>

</tr>

</xsl:for-each>

</table>

</html>

</xsl:template>

<xsl:template match="text()" />

</xsl:stylesheet>

QUESTION 2:

Create a servlet to redirect the user to another page by displaying "The requested URI has been moved to a different host." for 15 seconds along with the name of the host to which it is being redirected.

ANSWER:

import java.io.\*;

import java.util.\*;

import javax.servlet.\*;

import javax.servlet.http.\*;

public class ClientPullMove extends HttpServlet

{

static final String NEW\_HOST = "http://www.facebook.com";

public void doGet(HttpServletRequest req, HttpServletResponse res)

throws ServletException, IOException

{

res.setContentType("text/html");

PrintWriter out = res.getWriter();

String newLocation = NEW\_HOST + req.getRequestURI();

res.setHeader("Refresh", "15; URL=" + newLocation);

out.println("The requested URI has been moved to a different host.<BR>");

out.println("Its new location is " + newLocation + "<BR>");

out.println("Your browser will take you there in 15 seconds.");

}

}