**Assignment -3 B.Ramya**

**1602-18-733-033**

1. Create a custom JSP tag as follows

<vce name=string designation=string> </vce>

The tag when used has to print

Name, Designation, Vasavi College of Engineering,

Hyderabad.

import java.io.IOException;

import java.text.DecimalFormat;

import javax.servlet.jsp.JspException;

import javax.servlet.jsp.SkipPageException;

import javax.servlet.jsp.tagext.SimpleTagSupport;

public class CustomJspTag extends SimpleTagSupport {

private String name;

private String designation;

public CustomJspTag () {

}

public void setName(String name) {

this.name = name;

}

public void setDesignation(String designation) {

this.designation= designation;

}

@Override

public void doTag() throws JspException, IOException {

System.out.println("Name is:" + name);

System.out.println("Designation is:" + designation);

try {

string name = String.parseString(name);

String designation = string.parseString(designation);

getJspContext().getOut().write(name);

getJspContext().getOut().write(designation);

} catch (Exception e) {

e.printStackTrace();

// stop page from loading further by throwing SkipPageException

throw new SkipPageException("Exception in formatting " + name

+ " with format " + designation);

}

}

}

**Customtag.tld**

<?xml version="1.0" encoding="UTF-8" ?> <taglib xmlns="https://java.sun.com/xml/ns/j2ee" xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="https://java.sun.com/xml/ns/j2ee https://java.sun.com/xml/ns/j2ee/web-jsptaglibrary\_2\_0.xsd" version="2.0"> <description>Custom Tag</description> <tlib-version>2.1</tlib-version> <short-name>mytags</short-name> <uri>https://customtag.com/jsp/tlds/mytags</uri> <tag> <name>Vasavi college of engineering</name> <tag-class>com.jsp.customtags.customTag</tag-class> <body-content>empty</body-content> <attribute> <name>Hyderabad</name> <required>true</required> </attribute> <attribute> <name>name</name> <required>true</required> </attribute> </tag> </taglib>

**Web.xml**

<?xml version="1.0" encoding="UTF-8"?>

<web-app xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance" xmlns="https://java.sun.com/xml/ns/javaee" xsi:schemaLocation="https://java.sun.com/xml/ns/javaee https://java.sun.com/xml/ns/javaee/web-app\_3\_0.xsd" version="3.0">

<display-name>JSPCustomTags</display-name>

<welcome-file-list>

<welcome-file>index.jsp</welcome-file>

</welcome-file-list>

<jsp-config>

<taglib>

<taglib-uri>https://vce.com/jsp/tlds/mytags</taglib-uri>

<taglib-location>/WEB-INF/customtag.tld</taglib-location>

</taglib>

</jsp-config>

</web-app>

**Index.jsp**

**<%@ page language="java" contentType="text/html; charset=US-ASCII"**

**pageEncoding="US-ASCII"%>**

**<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "https://www.w3.org/TR/html4/loose.dtd">**

**<html>**

**<head>**

**<meta http-equiv="Content-Type" content="text/html; charset=US-ASCII">**

**<title>Custom Tag Example</title>**

**<%@ taglib uri="https://vce.com/jsp/tlds/mytags" prefix="mytags"%>**

**</head>**

**<body>**

**<h2>CustomTag Example</h2>**

**<mytags:name ="vasavi college of engineering," /><br><br>**

**<mytags:designation ="Hyderabad." /><br><br>**

**<p><strong>Thank you!</strong></p>**

**</body></html>**

**Output: CustomTag Example**

**vasavi college of engineering,**

**Hyderabad.**

**Thank you!**

**-------------------------------------------------------------------------------------------------**

**3.** **Create a rest based web service to display the username based on the id supplied at** [**https://ipaddress/api/vce/id**](https://ipaddress/api/vce/id)

**<!DOCTYPE html>**

**<html>**

**<head>**

**<title></title>**

**<style>**

**.div{**

**color:#53B0AE;**

**pantone\_value:15-5217;**

**}**

**</style>**

**</head>**

**<body>**

**<div>**

**<?php**

**$arr=array({"data":{"id":6,"name":"blue turquoise","year":2005,"color":"#53B0AE","pantone\_value":"15-5217"},"support":{"url":"**[**https://ipaddress/api/vce/id**](https://ipaddress/api/vce/id)**","text":"To keep ReqRes free, contributions towards server costs are appreciated!"}});**

**foreach ($arr as $key => $value) {**

**echo "$key : "."$value"."<br>";}**

**?></div>**

**</body></html>**