**Practical 5**

**Aim:**

**5.14:** JSP Custom Tags

Create a userdefined tag named <today> with a prefix 'm' (i.e. <m:today>) which will print system's current time stamp whenever it is accessed in a jsp page. (Hint: write mytags.tld, MyTagHandler.java and index.jsp files)

**Program code:**

**Custom.tld**

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

<taglib version=**"2.1"** xmlns=**"http://java.sun.com/xml/ns/javaee"** xmlns:xsi=**"http://www.w3.org/2001/XMLSchema-instance"** xsi:schemaLocation=**"http://java.sun.com/xml/ns/javaee http://java.sun.com/xml/ns/javaee/web-jsptaglibrary\_2\_1.xsd"**>

<tlib-version>**1.0**</tlib-version>

<short-name>**custom**</short-name>

<uri>**/WEB-INF/tlds/custom**</uri>

<tlib-version>**1.0**</tlib-version>

<jsp-version>**2.0**</jsp-version>

<short-name>**Example TLD**</short-name>

<tag>

<name>**Hello**</name>

<tag-class>**action.HelloTag**</tag-class>

<body-content>**empty**</body-content>

</tag>

<!-- A validator verifies that the tags are used correctly at JSP

translation time. Validator entries look like this:

<validator>

<validator-class>com.mycompany.TagLibValidator</validator-class>

<init-param>

<param-name>parameter</param-name>

<param-value>value</param-value>

</init-param>

</validator>

-->

<!-- A tag library can register Servlet Context event listeners in

case it needs to react to such events. Listener entries look

like this:

<listener>

<listener-class>com.mycompany.TagLibListener</listener-class>

</listener>

-->

</taglib>

**HelloTag.java**

package action**;**

**import** javax**.**servlet**.**jsp**.**tagext**.\*;**

**import** javax**.**servlet**.**jsp**.\*;**

**import** java**.**io**.\*;**

public class HelloTag **extends** SimpleTagSupport **{**

public void doTag**()** **throws** JspException**,** IOException **{**

JspWriter out **=** getJspContext**().**getOut**();**

out**.**println**(**"Hello Custom Tag!"**);**

**}**

**}**

**Customtag.jsp**

**<%@ taglib prefix="ex" uri="WEB-INF/custom.tld"%>**

**<%@page contentType="text/html" pageEncoding="UTF-8"%>**

<!DOCTYPE html>

<html>

<head>

<meta http-equiv=**"Content-Type"** content=**"text/html; charset=UTF-8"**>

<title>**JSP Page**</title>

</head>

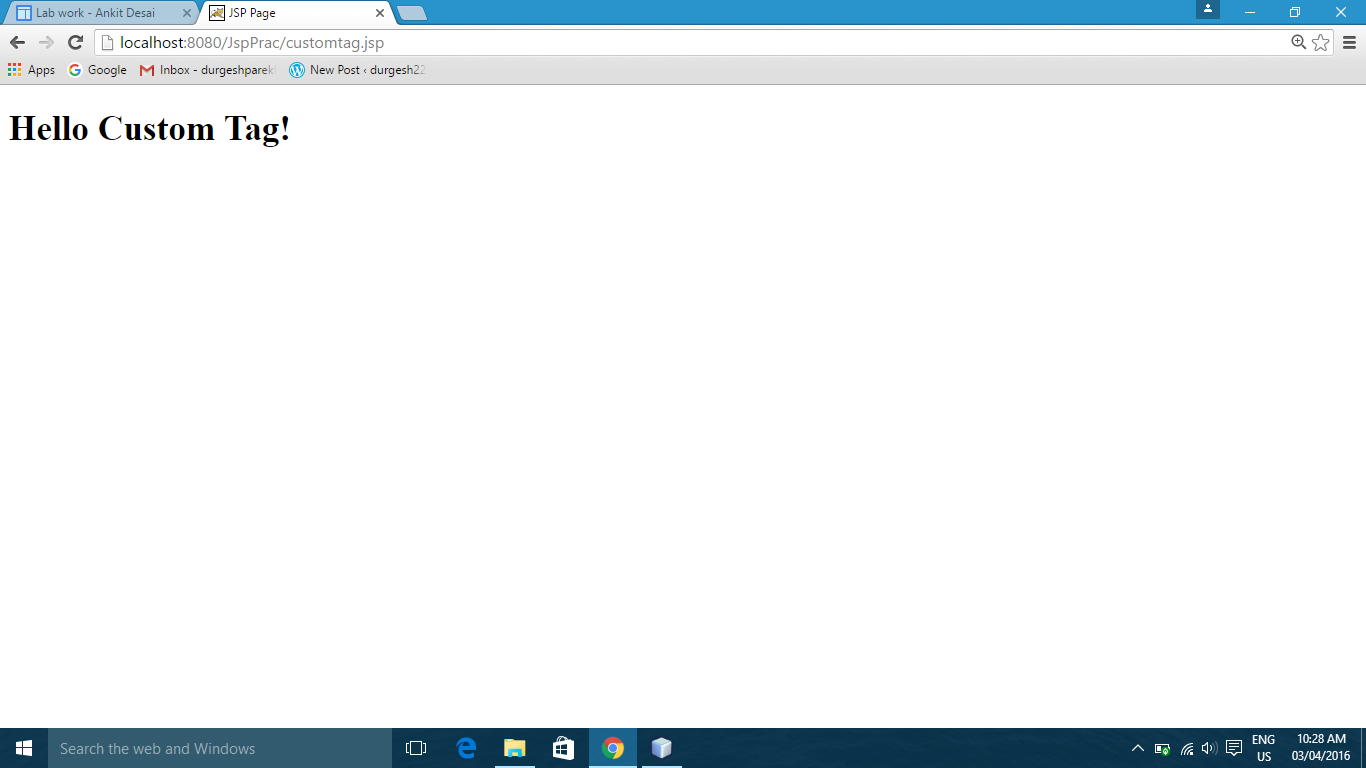
<body>

<h1><ex:Hello/></h1>

</body>

</html>

**Output:**

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