JSP Custom Tags Quiz

1. Rewrite the JSP page in the first demo (forEach) to use scripting instead of the JSTL forEach.

<%@page import="net.mumde.cs545.Student"%>

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

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">

<title>Lecture 5</title>

</head>

<body>

<%

Student[] items = (Student[]) request.getAttribute("students");

out.print("<table>");

for (int i = 0; i < items.length; i++) {

out.print("<tr>");

out.print("<td>" + items[i].getName() + "</td>");

out.print("<td>" + items[i].getAge() + "</td>");

out.print("</tr>");

}

out.print("</table>");

%>

</body>

</html>

2. How do custom tags relate to JSTL?

JSTL stands for JSP Standard Tag Library, a standard library of custom tags.

3. What is the role of the URI in the TLD and the taglib directive?

The uri attribute value resolves to a location of the library the container understands

4. What is a tag handler class?

A tag handler class is a Java class that does the work of the tag.

5. What is the role of attribute setters in a tag handler class?

A setter is needed for each attribute of custom tag

6. What is the role of the doTag() method in a tag handler class?

doTag() method does what the tag is meant to do

7. What does the operation getJspContext().getOut().write(“Hi Bob”) do when called in a doTag() method?

getJspContext() method is a way for the tag body to get information to other jobs.

getJspContext().getOut().write(“Hi Bob”) prints “Hi Bob”

8. What does the operation getJspBody().invoke(null) do when called in a doTag() method?

getJspBody() gets access to the contents of the body of the tag. invoke(null) writes the evaluated body to the response output.

getJspBody().invoke(null) processes the body of the tag and print it to the response.