

## JSP Custom Tag Quiz

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

```
<% String [][] data={{ "Nov 6","32","26"}, {"Nov 7","32","26"}, "Nov 8","32","26"}}  
  
request.setAttribute ("temperatures", data) ;  
  
for(int i=0;i <data.length(); i ++)%>  
  
<table><tr> < th > DATE</th> < th >High</th>< th >Low</th> </tr>  
  
    <tr> <td><% out.print(data[i]); %> </td> </tr>  
  
</table>
```

### 2. How do custom tags relate to JSTL?

*JSTL is a standard library that provides predefined JSP actions, but this library is also open for customizing and letting users define their own actions and mark them as tags to call them up in JSP that uses the functionality.*

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

*The URI links the JSP with the handling class. URI defines the location of the handling class and let the user specify the prefix for defining which tag to look for in the handling class.*

*The taglib directive declares that your JSP page uses a set of custom tags, identifies the location of the library, and provides a means for identifying the custom tags in your JSP page.*

### 4. What is a tag handler class?

*Handler class extends the tag support framework class – named “javax.servlet.jsp.tagext.TagSupport”. Handler class defines the functionality that the JSP can call, it also contains setters to let the container set the handler class attributes (instance variables).*

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

*The setters let the container inject the values of the handler class its instance variables to the one specified by JSP.*

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

*The doTag() method contains content for the tag.*

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

*It inserts the string ( “Hi Bob”) as a text on the JSP that calls the handler class.*

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

*When getJspBody().invoke(null) is called, it is the output resulting from the execution of the tag body's JSP content that gets passed to the client, not the JSP code itself.*