JSP Custom Tags Quiz

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

```
<% for(int i = 0; i < students.size(); i+=1) { %>
   <tr>
       <td>${students[i].name}</td>
       <td>${students[i].age}</td>
   </tr>
 <% } %>
```

2. How do custom tags relate to JSTL?

- Define a tag including attributes and body.
- Write a Tag Library Descriptor (TLD) that the container will read.
- Write a tag handler class that implements the tag functionality.
- Use the tag on a JSP page and link it to the tag descriptor.

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

The URI element in the TLD is a unique name for the tag library.

The URI in the taglib directive is a location for the tag library.

4. What is a tag handler class?

It is the class extend the tag support class that implements the tag functionality.

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

The JSP engine invokes the setter methods for each attribute appropriately after the tag handler is initialized and before the doStartTag() method is called. Generally, you should implement the setter methods to store the attribute value in a member variable that is accessible to the other methods of the tag handler.

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

It implements a custom HTML of tag that we want to render on JSP.

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

We use this to send an output stream to a JSP.

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

If you want the body to be written to the response output, pass null to the invoke method.