# Hello world

Add struts2 tags

|  |
| --- |
| <%@ taglib prefix=*"s"* uri=*"/struts-tags"* %> |

Turn on the debug mode of Struts2

|  |
| --- |
| <constant name=*"struts.devMode"* value=*"true"* /> |

# Using Struts2 Tags

A common use case is that the URL also needs to include a value for a query string parameter such as userName. To add a query string parameter and its value use the Struts 2 param tag, nested inside the url tag.

For the Using Tags tutorial add the following to index.jsp just after the link for Hello World.

|  |
| --- |
| <s:url action="hello" var="**helloLink**">  <s:param name="**userName**">**Bruce Phillips**</s:param>  </s:url>  <p><a href="**${helloLink}**">Hello Bruce Phillips</a></p> |

It doesn’t work like this below:

|  |
| --- |
| <s:param name="**userName**" value=” **Bruce Phillips**”> </s:param> |

Note that even though helloCount is a static field, the get and set methods for helloCount are not static. For Struts 2 to call the getHelloCount method to get the value of helloCount, the **getHelloCount method cannot be static**

On very useful feature of the Struts 2 property tag is that it will automatically convert the most common data types (int, double, boolean) to their String equivalents. To demonstrate this feature let's add a static int variable to class HelloWorldAction.

If the value returned by the get method is an object, then the property tag will cause Struts 2 to **call the object's toString method**. Of course, you should always override Class Object's toString method in your model classes