

Lab 6 – Expression Language

We're going to practice using EL by refactoring a couple of our pages

Copy Lab06_EpressionLanguage_STARTER into a new project named Lab06_EpressionLanguage

We'll edit 2 files to practice our EL

- index.jsp
- welcome.jsp



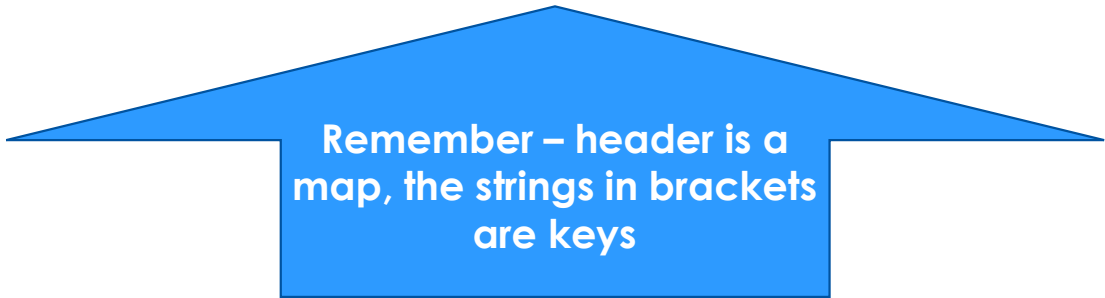
Lab 6 – Expression Language

In index.jsp replace the scriptlet getting our browser and ip information with some EL

```
<body>
. . .   <h3>Welcome to Simple Song Service</h3><br>
        <p>
          Your browser information: ${header["user-agent"]} <br/>
          Your IP and port are: ${header["host"]} <br/>
        </p>
```

Let's also replace our value for ip – careful to nest the quotations properly

```
<input type="text" name="ip" value='${header["host"]}' > <br/><br/>
```



Remember – header is a
map, the strings in brackets
are keys

Lab 6 – Expression Language

In welcome.jsp remove all useBean, useProperty, setProperty and getProperty lines

```
<jsp:useBean id="user" class="com.music.model.User"></jsp:useBean>
    <jsp:setProperty name="user" property="userName" param="name" />
    <jsp:setProperty name="user" property="ip" />

    <p>Welcome <jsp:getProperty name="user" property="userName" /><br/>
    I see your IP Address is: <jsp:getProperty name="user" property="ip" />
</p>
```

Replace them with expression language that gets the two parameters passed in

- Just for practice, use dot notation for the name and bracket notation for the ip

```
<p>Welcome ${param.name} <br/>
    I see your IP Address and Port are: ${param["ip"]}
</p>
```



Don't forget the quotes inside the brackets

Lab 6 – Expression Language

As always, check your pages to ensure they are all functioning properly

localhost:8081/Lab06_ExpressionLanguage/index.jsp

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Welcome to Simple Song Service

Your browser information: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/87.0.4398.96 Safari/537.36
Your IP and port are: localhost:8081

Please enter your user name

User Name:

localhost:8081/Lab06_ExpressionLanguage/welcome.jsp

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Current Stock Price: 26.15

Welcome to Simple Song Service

Welcome The Dude
I see your IP Address and Port are: localhost:8081

Use this code to get an additional 10% discount:

VIPCUST10

[Show All Songs](#)

localhost:8081/Lab06_ExpressionLanguage/SongServlet

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Current Stock Price: 26.40

Songs Available for Download as of Wed Dec 08 14:15:03 EST 2021

101	Baby Love	The Supremes
102	Pancho and Lefty	Townes Van Zandt
103	Truth Hurts	Lizzo
104	Take It Easy	The Eagles
105	Your're So Vain	Carly Simon

