Lab19: Files required:

1. JLCLayout.jsp	2. header.jsp
3. footer.jsp	4. lmenu.jsp
5. rmenu.jsp	6. index.jsp
7. welcome.jsp	8. addstudent.jsp
9. updatestudent.jsp	10. searchstudent.jsp
11. web.xml	12. struts.xml
13. tiles.xml	

1. JLCLayout.jsp

```jsp
<%@ taglib uri="http://tiles.apache.org/tags-tiles"
prefix="tiles" %>

<html><body>
<table width="99%" height="99%"
bgcolor="#c3d599">
<tr height="10%">
<td colspan="3" align="center">
<tiles:insertAttribute name="HEADER"/></td>   </tr>
<tr height="85%">
<td width="20%" valign="top">
<tiles:insertAttribute name="LMENU"/></td>
<td width="60%" valign="top">
<tiles:insertAttribute name="BODY"/></td>
<td width="20%" valign="top">
<tiles:insertAttribute name="RMENU"/></td>   </tr>
<tr height="5%">
<td colspan="3" align="center">
<tiles:insertAttribute name="FOOTER"/></td>
</tr></table></body></html>
```

2. header.jsp

```jsp
<html><body><center>
<img src="/Lab19/images/JLC.jpg" width="90%"
height="100" />
</center></body></html>
```

3. footer.jsp

```jsp
<html><body><center>
<h1>All rights Reserved.Java Learning
Center.2014.</h1>
</center></body></html>
```

4. lmenu.jsp

```jsp
<%@ taglib prefix="s" uri="/struts-tags" %>

<html><body>
<h3><s:url id="addstuurl"
action='jlcindia/AddStuDisplay.jlc'/>
<s:url id="updatestuurl"
action='jlcindia/UpdateStuDisplay.jlc'/>
<s:url id="searchstuurl"
action='jlcindia/SearchStuDisplay.jlc'/>
<s:a href="%{addstuurl}">Add Student</s:a> <br/>
<s:a href="%{updatestuurl}">Update Student</s:a><br/>
<s:a href="%{searchstuurl}">Search Student</s:a><br/>
</h3>
</body></html>
```

5. rmenu.jsp

You Write some links here

6. index.jsp

```jsp
<html><head>
<META HTTP-EQUIV="Refresh"
CONTENT="0;URL=jlcindia/HomeDisplay.jlc">
</head>  <body><br><br><center>
<h1>Loading ...</h1>
</center></body></html>
```

7. welcome.jsp

```jsp
<html><body ><center>
<h1>Welcome to JLC <br>Student Management
System</h1>
</center></body></html>
```