

TELUSKO

File Edit Source Navigate Search Project Run Window Help

Java EE - DemoApp/WebContent/index.html - Eclipse - /Users/navinreddy/Documents/workspace/servlet

Project Explorer

DemoApp

- Deployment Descriptor: DemoApp
- JAX-WS Web Services
- Java Resources
- JavaScript Resources
- build
- WebContent
  - META-INF
  - MANIFEST.MF
- WEB-INF
  - lib
  - web.xml
- index.html

Servers

Index.html

```
1 <!DOCTYPE html>
2 <html>
3 <body>
4   <form action="">
5
6     Enter 1st number : <input type="text" name="num1"><br>
7     Enter 2nd number : <input type="text" name="num2"><br>
8     <input type="submit" />
9
10 </form>
11
12 </body>
13 </html>
```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v8.0 Server at localhost [Started, Synchronized]

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Java EE - DemoApp/WebContent/index.html - Eclipse - /Users/navinreddy/Documents/workspace/servlet

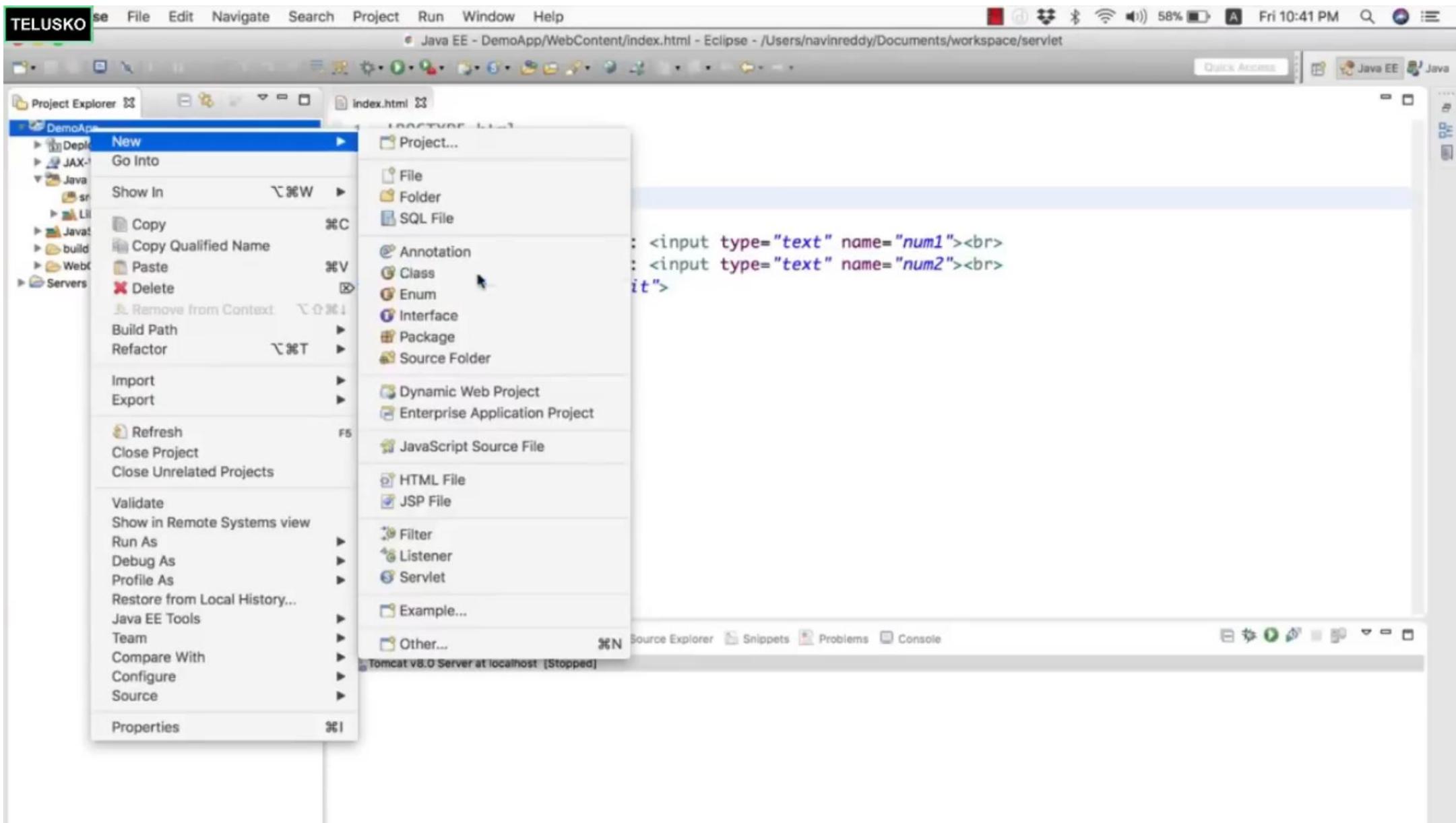
Project Explorer DemoApp Deployment Descriptor: DemoApp JAX-WS Web Services Java Resources JavaScript Resources build WebContent META-INF MANIFEST.MF WEB-INF lib web.xml index.html Servers

\*index.html

```
1 <!DOCTYPE html>
2 <html>
3 <body>
4 <form action="add">
5
6     Enter 1st number : <input type="text" name="num1"><br>
7     Enter 2nd number : <input type="text" name="num2"><br>
8     <input type="submit">
9
10 </form>
11
12 </body>
13 </html>
```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v8.0 Server at localhost [Started, Synchronized]



TELUSKO

File Edit Source Refactor Navigate Search Project Run Window Help

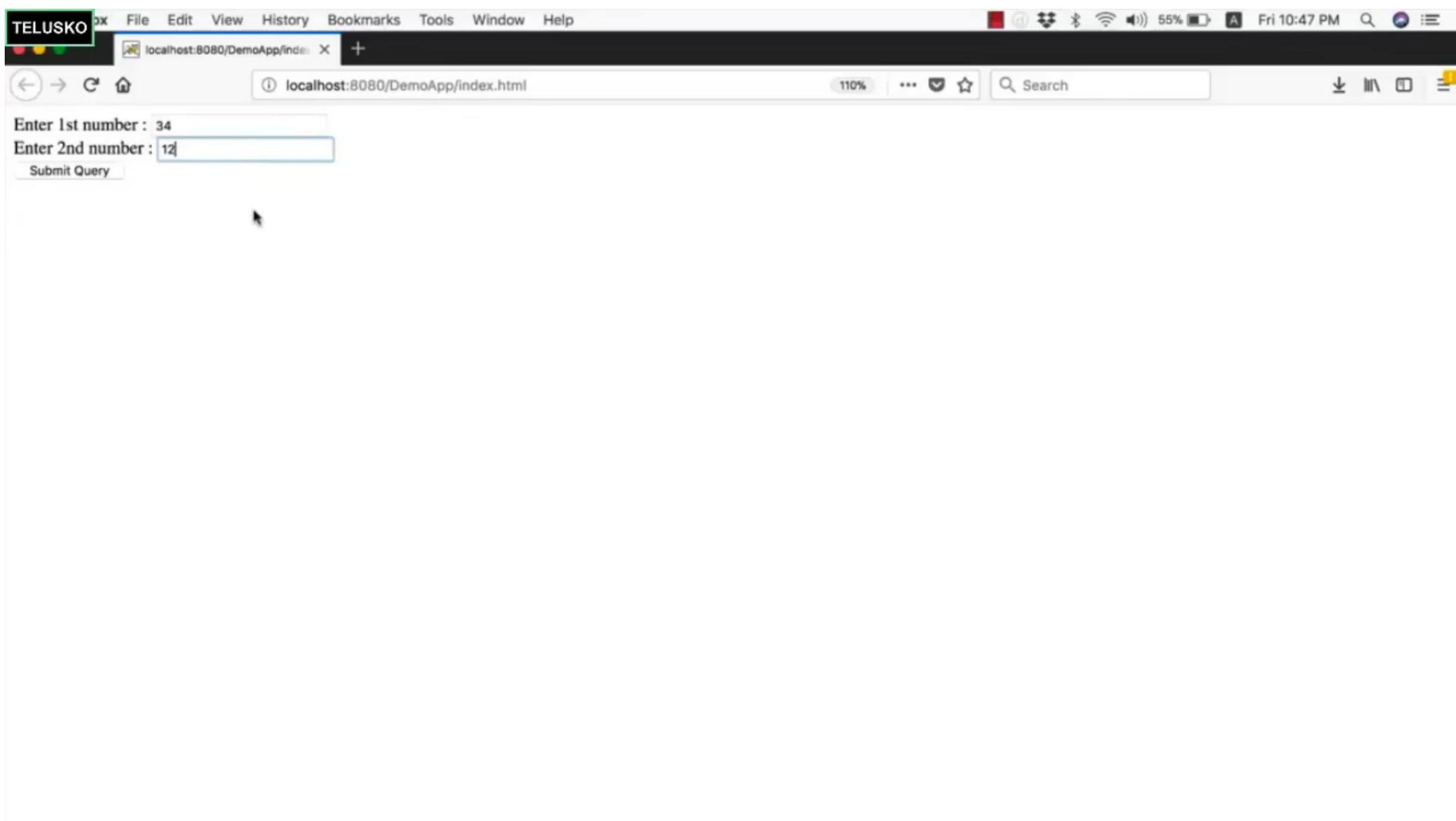
Java EE - DemoApp/src/com/telusko/AddServlet.java - Eclipse - /Users/navinreddy/Documents/workspace/servlet

Project Explorer Index.html \*AddServlet.java

```
1 package com.telusko;
2
3 import javax.servlet.http.HttpServlet;
4 import javax.servlet.http.HttpServletRequest;
5 import javax.servlet.http.HttpServletResponse;
6
7 public class AddServlet extends HttpServlet
8 {
9     public void service(HttpServletRequest req, HttpServletResponse res)
10    {
11        int i = Integer.parseInt(req.getParameter("num1"));
12        int j = Integer.parseInt(req.getParameter("num2"));
13
14        int k = i + j;
15        System.out.println("result is " + k);
16    }
17
18 }
19
```

Markers Properties Servers Data Source Explorer Snippets Problems Console

Tomcat v8.0 Server at localhost [Stopped, Republish]



TELUSKO File Edit View History Bookmarks Tools Window Help

Apache Tomcat/8.0.48 - Error +

localhost:8080/DemoApp/add?num1=34&num2=12 110% ... Search

**HTTP Status 404 - /DemoApp/add**

---

**type** Status report

**message** /DemoApp/add

**description** The requested resource is not available.

---

Apache Tomcat/8.0.48

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File Edit Source Navigate Search Project Run Window Help

Java EE - DemoApp/WebContent/WEB-INF/web.xml - Eclipse - /Users/navinreddy/Documents/workspace/servlet

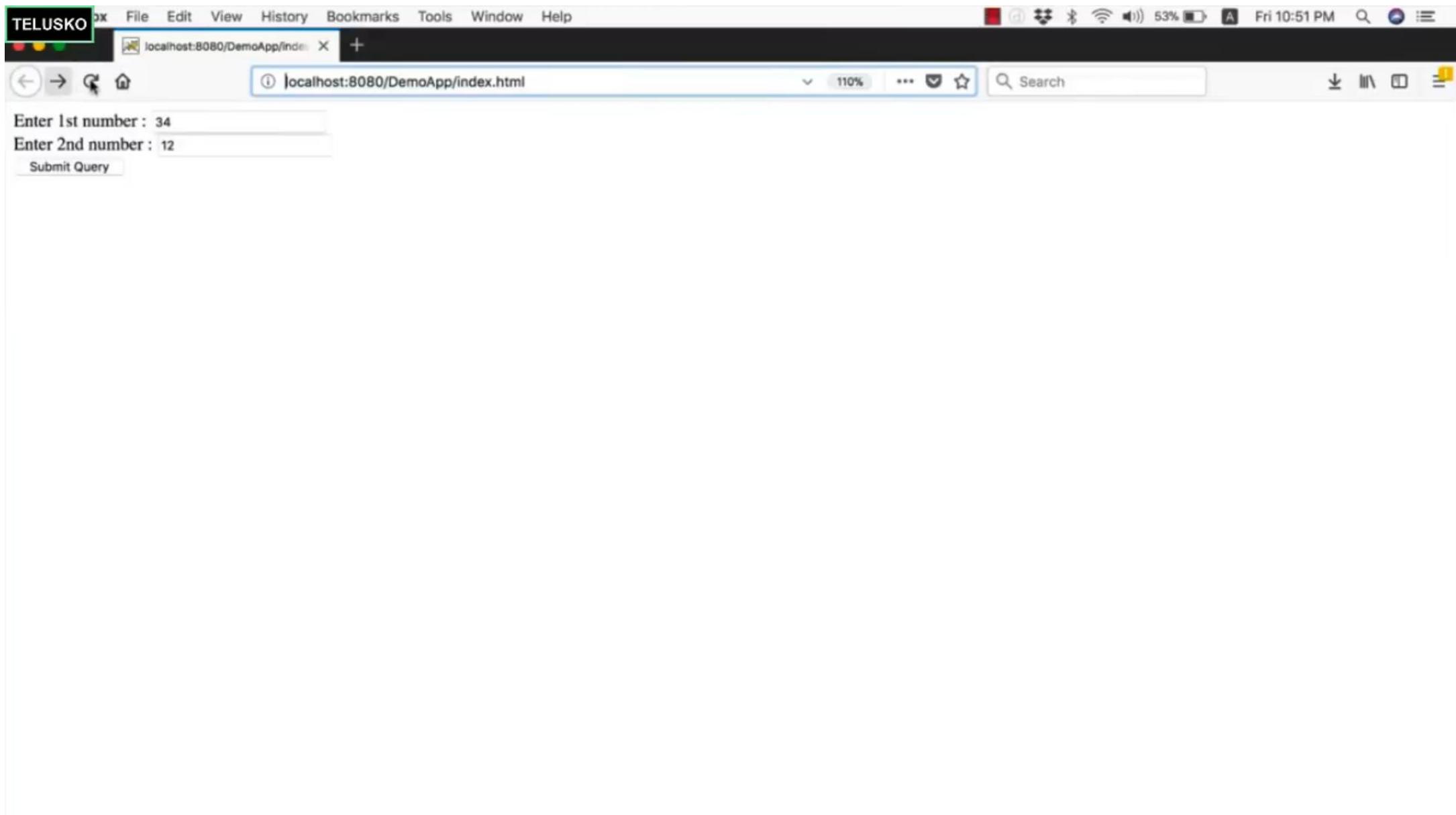
Project Explorer Index.html AddServlet.java web.xml

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://xmlns.jcp.org/xml/ns/javaee"
3
4
5 <servlet>
6   <servlet-name>abc</servlet-name>
7   <servlet-class>com.telusko.AddServlet</servlet-class>
8 </servlet>
9
10 <servlet-mapping>
11   <servlet-name>abc</servlet-name>
12   <url-pattern>/add</url-pattern>
13 </servlet-mapping>
14 </web-app>
```

Design Source

Markers Properties Servers Data Source Explorer Snippets Problems Console

Tomcat v8.0 Server at localhost [Started, Restart]





TELUSKO

File Edit Navigate Search Project Run Design Window Help

Java EE - DemoApp/WebContent/WEB-INF/web.xml - Eclipse - /Users/navinreddy/Documents/workspace/servlet

Project Explorer Index.html AddServlet.java web.xml

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://xmlns.jcp.org/xml/ns/javaee"
3
4
5 <servlet>
6   <servlet-name>abc</servlet-name>
7   <servlet-class>com.telusko.AddServlet</servlet-class>
8 </servlet>
9
10 <servlet-mapping>
11   <servlet-name>abc</servlet-name>
12   <url-pattern>/add</url-pattern>
13 </servlet-mapping>
14 </web-app>
```

Design Source

Markers Properties Servers Data Source Explorer Snippets Problems Console

Tomcat v8.0 Server at localhost [Apache Tomcat] /Library/Java/JavaVirtualMachines/jdk1.8.0\_131.jdk/Contents/Home/bin/java (12-Jan-2018, 10:51:22 pm)

INFO: Starting ProtocolHandler ["http-nio-8080"]  
Jan 12, 2018 10:51:23 PM org.apache.coyote.AbstractProtocol start  
INFO: Starting ProtocolHandler ["ajp-nio-8009"]  
Jan 12, 2018 10:51:23 PM org.apache.catalina.startup.Catalina start  
INFO: Server startup in 734 ms  
result is 46

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File Edit Source Refactor Navigate Search Project Run Window Help

Java EE - DemoApp/src/com/telusko/AddServlet.java - Eclipse - /Users/navinreddy/Documents/workspace/servlet

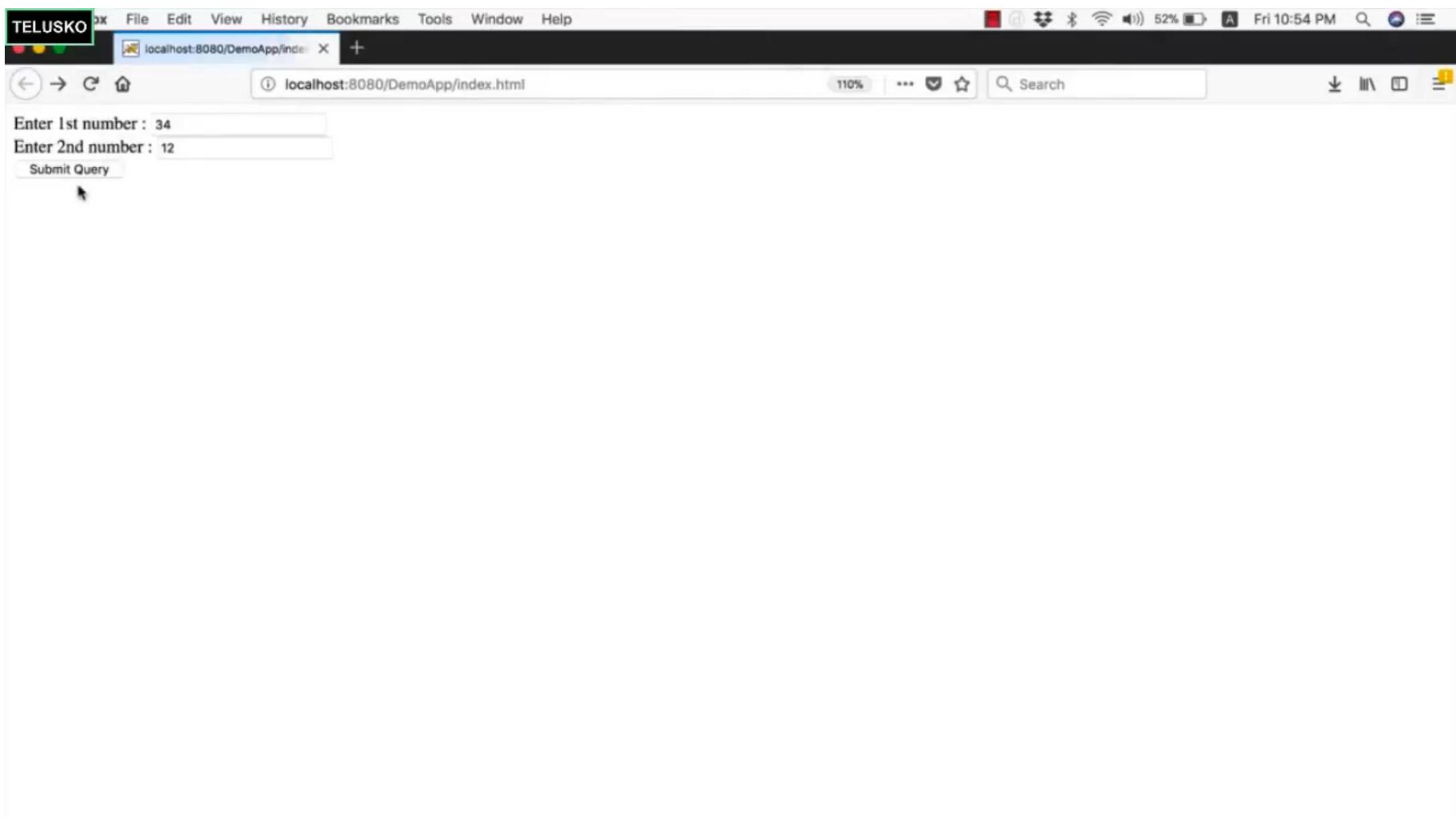
Project Explorer Index.html AddServlet.java web.xml

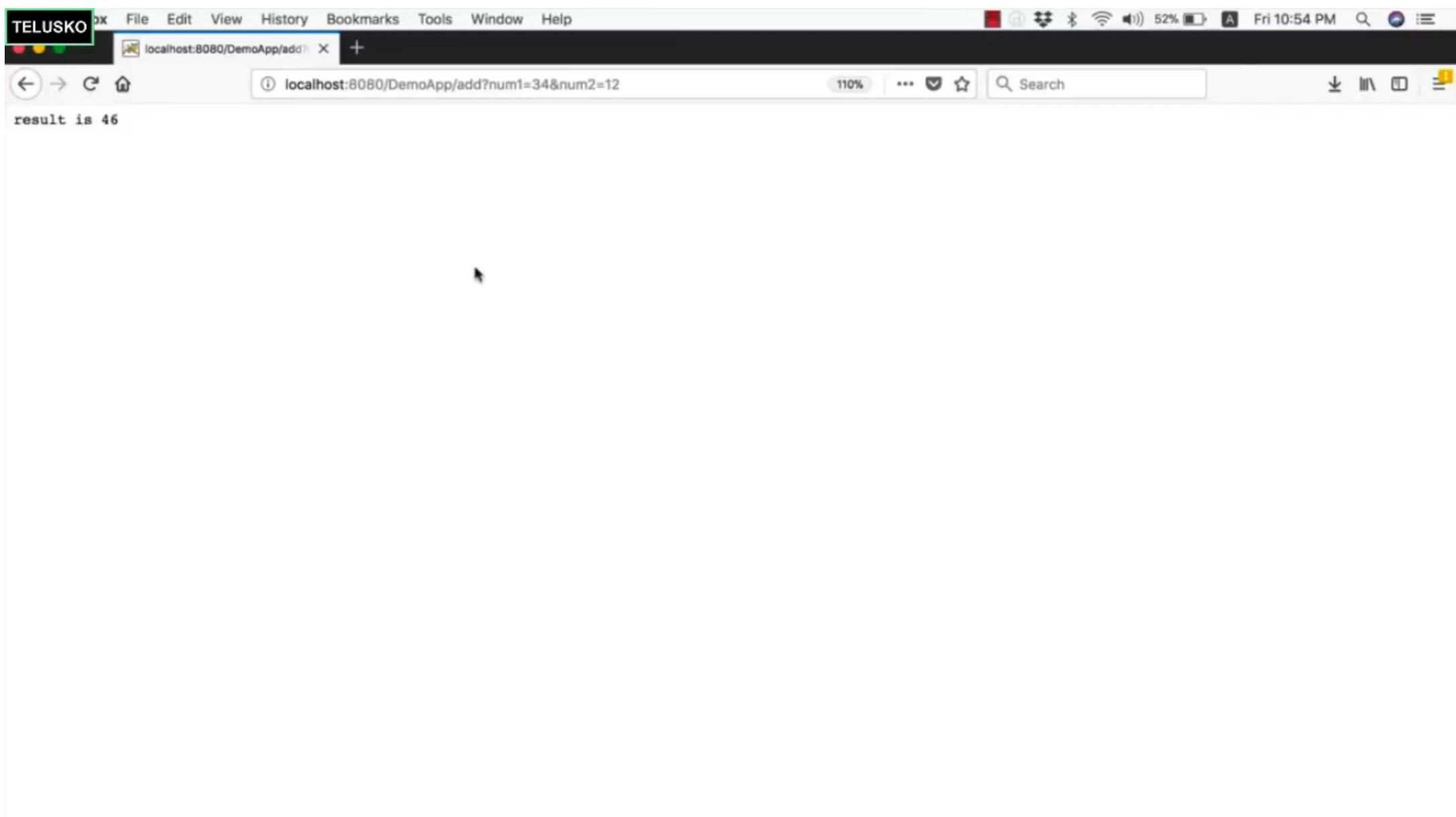
```
2
3 import java.io.IOException;
4 import java.io.PrintWriter;
5
6 import javax.servlet.http.HttpServlet;
7 import javax.servlet.http.HttpServletRequest;
8 import javax.servlet.http.HttpServletResponse;
9
10 public class AddServlet extends HttpServlet
11 {
12     public void service(HttpServletRequest req, HttpServletResponse res) throws IOException
13     {
14         int i = Integer.parseInt(req.getParameter("num1"));
15         int j = Integer.parseInt(req.getParameter("num2"));
16
17         int k = i + j;
18
19         PrintWriter out = res.getWriter();
20
21         out.println("result is " + k);
22     }
23 }
```

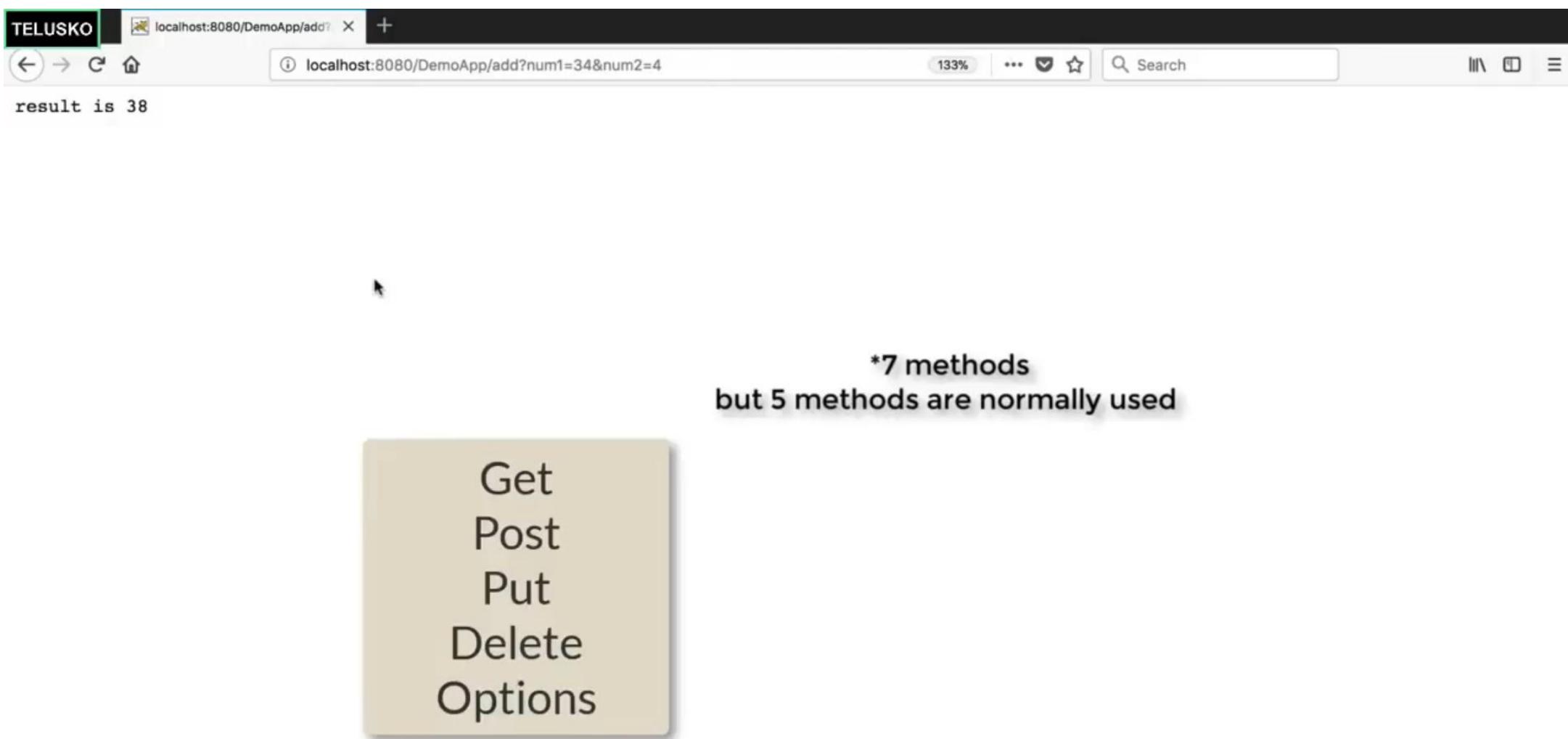
Markers Properties Servers Data Source Explorer Snippets Problems Console

Tomcat v8.0 Server at localhost [Apache Tomcat] /Library/Java/JavaVirtualMachines/jdk1.8.0\_131.jdk/Contents/Home/bin/java (12-Jan-2018, 10:51:22 pm)

Jan 12, 2018 10:53:33 PM org.apache.catalina.core.StandardContext reload  
INFO: Reloading Context with name [/DemoApp] is completed  
Jan 12, 2018 10:53:43 PM org.apache.catalina.core.StandardContext reload  
INFO: Reloading Context with name [/DemoApp] has started  
Jan 12, 2018 10:53:43 PM org.apache.catalina.core.StandardContext reload  
INFO: Reloading Context with name [/DemoApp] is completed







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Java EE - DemoApp/src/com/telusko/AddServlet.java - Eclipse - /Users/navinreddy/Documents/workspace/servlet

Project Explorers AddServlet.java web.xml

```
1 package com.telusko;
2
3 import java.io.IOException;
4
5 public class AddServlet extends HttpServlet
6 {
7     public void doPost(HttpServletRequest req, HttpServletResponse res) throws IOException
8     {
9         int i = Integer.parseInt(req.getParameter("num1"));
10        int j = Integer.parseInt(req.getParameter("num2"));
11
12        int k = i + j;
13
14        PrintWriter out = res.getWriter();
15
16        out.println("result is " + k);
17    }
18}
```

Markers Properties Servers Data Source Explorer Snippets Problems Console

Tomcat v8.0 Server at localhost [Apache Tomcat] /Library/Java/JavaVirtualMachines/jdk1.8.0\_131.jdk/Contents/Home/bin/java (18-Jan-2018, 3:33:58 pm)

```
INFO: Starting ProtocolHandler ["ajp-nio-8009"]
Jan 18, 2018 3:33:59 PM org.apache.catalina.startup.Catalina start
INFO: Server startup in 824 ms
Jan 18, 2018 3:40:39 PM org.apache.catalina.core.StandardContext reload
INFO: Reloading Context with name [/DemoApp] has started
Jan 18, 2018 3:40:39 PM org.apache.catalina.core.StandardContext reload
INFO: Reloading Context with name [/DemoApp] is completed
```

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Java EE - DemoApp/WebContent/index.html - Eclipse - /Users/navinreddy/Documents/workspace/servlet

Quick Access Java EE Java

Project Explorers DemoApp Servers

index.html AddServlet.java web.xml

```
1 <!DOCTYPE html>
2<html>
3<body>
4<form action="add" method="post">
5
6    Enter 1st number : <input type="text" name="num1"><br>
7    Enter 2nd number : <input type="text" name="num2"><br>
8    <input type="submit">
9
10</form>
11
12</body>
13</html>
```

Markers Properties Servers Data Source Explorer Snippets Problems Console

Tomcat v8.0 Server at localhost [Apache Tomcat] /Library/Java/JavaVirtualMachines/jdk1.8.0\_131.jdk/Contents/Home/bin/java (18-Jan-2018, 3:33:58 pm)

```
INFO: Reloading Context with name [/DemoApp] has started
Jan 18, 2018 3:40:39 PM org.apache.catalina.core.StandardContext reload
INFO: Reloading Context with name [/DemoApp] is completed
Jan 18, 2018 3:40:59 PM org.apache.catalina.core.StandardContext reload
INFO: Reloading Context with name [/DemoApp] has started
Jan 18, 2018 3:40:59 PM org.apache.catalina.core.StandardContext reload
INFO: Reloading Context with name [/DemoApp] is completed
```

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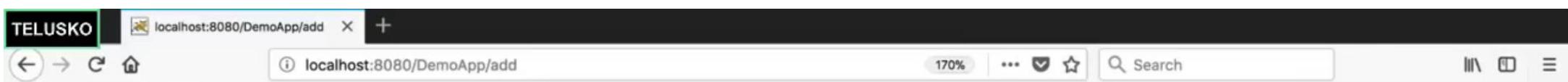
localhost:8080/DemoApp/index.html +

localhost:8080/DemoApp/index.html 170% ⌂ ⌂ ⌂ Search

Enter 1st number : 34

Enter 2nd number : 4

Submit Query



result is 38

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TELUSKO

Java EE - DemoApp/WebContent/index.html - Eclipse - /Users/navinreddy/Documents/workspace/servlet

Project Explorers AddServlet.java web.xml

```
index.html AddServlet.java web.xml
1 <!DOCTYPE html>
2<html>
3<body>
4<form action="add" method="get">
5
6    Enter 1st number : <input type="text" name="num1"><br>
7    Enter 2nd number : <input type="text" name="num2"><br>
8    <input type="submit">
9
10</form>
11
12</body>
13</html>
```

Markers Properties Servers Data Source Explorer Snippets Problems Console

Tomcat v8.0 Server at localhost [Started, Synchronized]

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TELUSKO

localhost:8080/DemoApp/index.html +

localhost:8080/DemoApp/index.html 170% ⌂ ⌂ ⌂ Search ⌂ ⌂ ⌂

Enter 1st number :

Enter 2nd number :



**type** Status report

**message** HTTP method GET is not supported by this URL

**description** The specified HTTP method is not allowed for the requested resource.

**Apache Tomcat/8.0.48**

TELUSKO

Java EE - DemoApp/src/com/telusko/AddServlet.java - Eclipse - /Users/navinreddy/Documents/workspace/servlet

Project Expl index.html AddServlet.java web.xml HttpServlet.class

```
int j = Integer.parseInt(req.getParameter("num2"));

int k = i + j;

PrintWriter out = res.getWriter();

out.println("result is " + k);

}

public void doGet(HttpServletRequest req, HttpServletResponse res) throws IOException
{
    int i = Integer.parseInt(req.getParameter("num1"));
    int j = Integer.parseInt(req.getParameter("num2"));

    int k = i + j;

    PrintWriter out = res.getWriter();

    out.println("result is " + k);

}
|
```

Markers Properties Servers Data Source Explorer Snippets Problems Console

Tomcat v8.0 Server at localhost [Apache Tomcat] /Library/Java/JavaVirtualMachines/jdk1.8.0\_131.jdk/Contents/Home/bin/java (18-Jan-2018, 3:41:55 pm)

INFO: Starting ProtocolHandler ["ajp-nio-8009"]  
Jan 18, 2018 3:41:57 PM org.apache.catalina.startup.Catalina start  
INFO: Server startup in 758 ms  
Jan 18, 2018 3:44:57 PM org.apache.catalina.core.StandardContext reload  
INFO: Reloading Context with name [/DemoApp] has started  
Jan 18, 2018 3:44:57 PM org.apache.catalina.core.StandardContext reload  
INFO: Reloading Context with name [/DemoApp] is completed

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Java EE - DemoApp/src/com/telusko/AddServlet.java - Eclipse - /Users/navinreddy/Documents/workspace/servlet

The screenshot shows the Eclipse IDE interface with the title bar "Java EE - DemoApp/src/com/telusko/AddServlet.java - Eclipse - /Users/navinreddy/Documents/workspace/servlet". The toolbar has various icons for file operations like cut, copy, paste, and save. Below the toolbar, there are two tabs: "index.html" and "\*AddServlet.java". The code editor displays the following Java code:

```
1 package com.telusko;
2
3 import java.io.IOException;
4
5 public class AddServlet extends HttpServlet
6 {
7     public void doGet(HttpServletRequest req, HttpServletResponse res) throws IOException
8     {
9
10         int i = Integer.parseInt(req.getParameter("num1"));
11         int j = Integer.parseInt(req.getParameter("num2"));
12
13         int k = i + j;
14         k = k*k;
15
16         PrintWriter out = res.getWriter();
17
18         out.println("result is " + k);
19
20     }
21
22
23
24
25 }
26
27
28 }
```

TELUSKO

Java EE - DemoApp/WebContent/index.html - Eclipse - /Users/navinreddy/Documents/workspace/servlet

Quick Access

Java

Project Expl X index.html AddServlet.java

DemoApp  
New  
Go Into  
Show In ⌘W  
Copy ⌘C  
Copy Qualified Name  
Paste ⌘V  
Delete ⌘X  
Remove from Context ⌘D  
Build Path  
Refactor ⌘R  
Import  
Export  
Refresh F5  
Close Project  
Close Unrelated Projects  
Validate  
Show in Remote Systems view  
Run As  
Debug As  
Profile As  
Restore from Local History...  
Java EE Tools  
Team  
Compare With  
Configure  
Source  
Properties ⌘I

- Project...
- File
- Folder
- SQL File
- Annotation
- Class
- Enum**
- Interface
- Package
- Source Folder
- Dynamic Web Project
- Enterprise Application Project
- JavaScript Source File
- HTML File
- JSP File
- Filter
- Listener
- Servlet
- Example...
- Other... ⌘N

Jan 18, 2018 4:01:23 PM org.apache.catalina.startup.Catalina start

in 803 ms

3 PM org.apache.catalina.core.StandardContext reload

Context with name [/DemoApp] has started

Jan 18, 2018 4:01:23 PM org.apache.catalina.core.StandardContext reload

INFO: Reloading Context with name [/DemoApp] is completed

TELUSKO

Java EE - DemoApp/src/com/telusko/SqServlet.java - Eclipse - /Users/navinreddy/Documents/workspace/servlet



Quick

index.html

AddServlet.java

SqServlet.java

```
1 package com.telusko;
2
3 import java.io.IOException;
4 import java.io.PrintWriter;
5
6 import javax.servlet.http.HttpServlet;
7 import javax.servlet.http.HttpServletRequest;
8 import javax.servlet.http.HttpServletResponse;
9
10 public class SqServlet extends HttpServlet
11 {
12     public void doGet(HttpServletRequest req, HttpServletResponse res) throws IOException
13     {
14         PrintWriter out = res.getWriter();
15         out.println("Hello to Sq");
16     }
17 }
18
```

TELUSKO

Java EE - DemoApp/src/com/telusko/AddServlet.java - Eclipse - /Users/navinreddy/Documents/workspace/servlet

Quick

index.html

AddServlet.java

SqServlet.java

```
1 package com.telusko;
2
3 import java.io.IOException;
4
5 public class AddServlet extends HttpServlet
6 {
7     public void doGet(HttpServletRequest req, HttpServletResponse res) throws IOException, ServletException
8     {
9
10         int i = Integer.parseInt(req.getParameter("num1"));
11         int j = Integer.parseInt(req.getParameter("num2"));
12
13         int k = i + j;
14         k = k*k;
15
16
17         RequestDispatcher rd = req.getRequestDispatcher("sq");
18         rd.forward(req, res);
19
20
21     }
22
23
24
25
26
27
28
29
30
31
```

TELUSKO

Java EE - DemoApp/WebContent/WEB-INF/web.xml - Eclipse - /Users/navinreddy/Documents/workspace/servlet

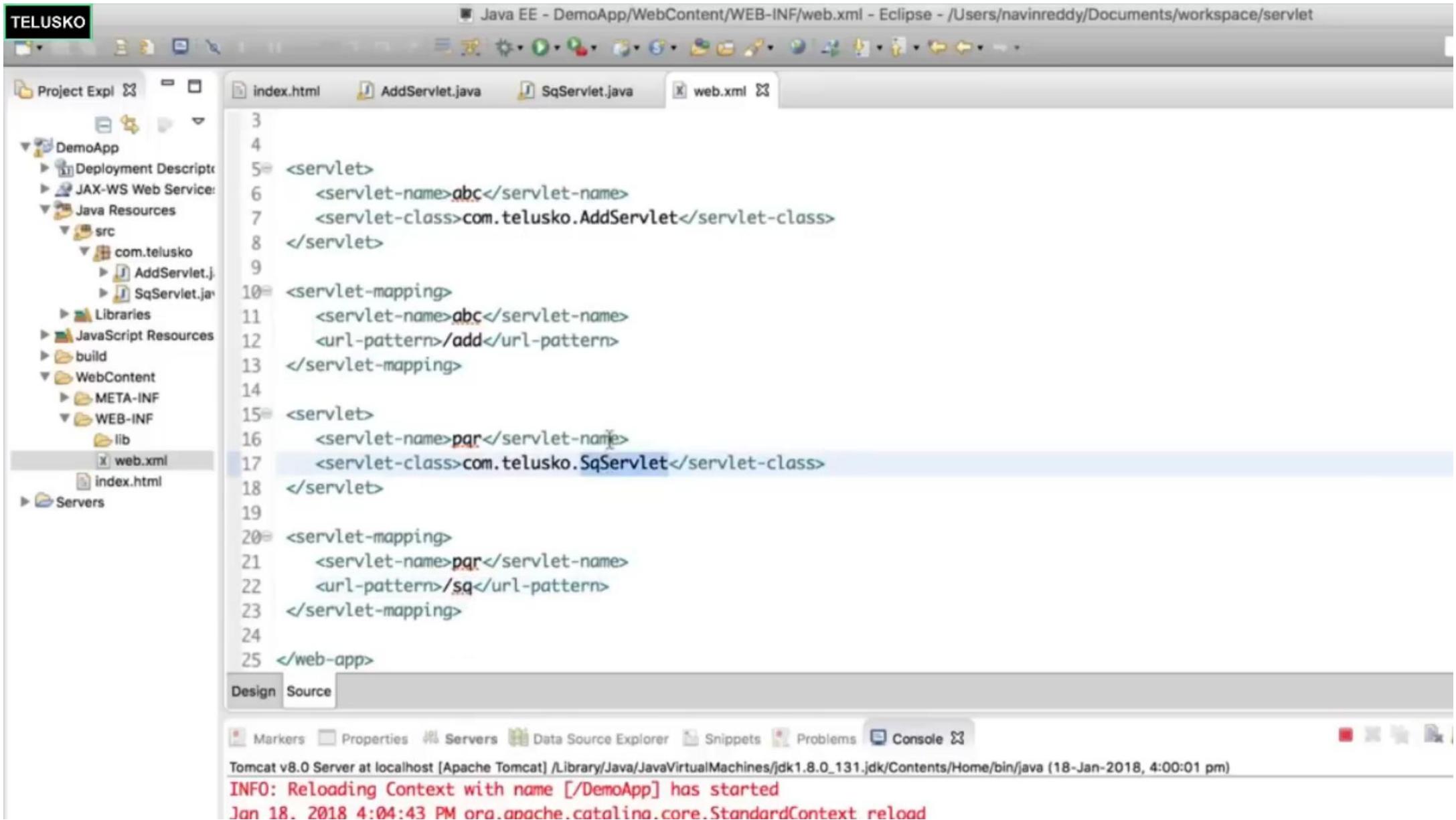
Project Expl

- ▶ DemoApp
  - ▶ Deployment Descriptor
  - ▶ JAX-WS Web Service
  - ▶ Java Resources
    - ▶ src
      - ▶ com.telusko
        - ▶ AddServlet.java
        - ▶ SqServlet.java
  - ▶ Libraries
  - ▶ JavaScript Resources
  - ▶ build
  - ▶ WebContent
    - ▶ META-INF
    - ▶ WEB-INF
      - ▶ lib
      - ▶ web.xml

▶ Servers

```
3
4
5<servlet>
6    <servlet-name>abc</servlet-name>
7    <servlet-class>com.telusko.AddServlet</servlet-class>
8</servlet>
9
10<servlet-mapping>
11    <servlet-name>abc</servlet-name>
12    <url-pattern>/add</url-pattern>
13</servlet-mapping>
14
15<servlet>
16    <servlet-name>pqr</servlet-name>
17    <servlet-class>com.telusko.SqServlet</servlet-class>
18</servlet>
19
20<servlet-mapping>
21    <servlet-name>pqr</servlet-name>
22    <url-pattern>/sq</url-pattern>
23</servlet-mapping>
24
25</web-app>
```

Design Source

The screenshot shows the Eclipse IDE interface for Java EE development. The top bar displays the title 'Java EE - DemoApp/WebContent/WEB-INF/web.xml - Eclipse - /Users/navinreddy/Documents/workspace/servlet'. The left side features the 'Project Explorer' view with a tree structure of the 'DemoApp' project, including Java resources like 'AddServlet.java' and 'SqServlet.java', and configuration files like 'web.xml'. The main workspace shows the XML code for 'web.xml' with syntax highlighting and line numbers. Below the code editor are tabs for 'Design' and 'Source', with 'Source' currently selected. The bottom of the screen includes a toolbar with icons for 'Markers', 'Properties', 'Servers', 'Data Source Explorer', 'Snippets', 'Problems', and 'Console'. The 'Console' tab is active, displaying log messages from Tomcat v8.0 Server at localhost, indicating a context reload and startup.

Tomcat v8.0 Server at localhost [Apache Tomcat] /Library/Java/JavaVirtualMachines/jdk1.8.0\_131.jdk/Contents/Home/bin/java (18-Jan-2018, 4:00:01 pm)

INFO: Reloading Context with name [/DemoApp] has started

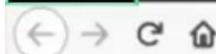
Jan 18, 2018 4:04:43 PM ora.apache.catalina.core.StandardContext reload

TELUSKO

localhost:8080/DemoApp/add X

localhost:8080/DemoApp/index X

+



localhost:8080/DemoApp/index.html

170%



Search

Enter 1st number : 34

Enter 2nd number : 2

Submit Query

TELUSKO

localhost:8080/DemoApp/add X

localhost:8080/DemoApp/index X

+



localhost:8080/DemoApp/add?num1=34&num2=2

170%



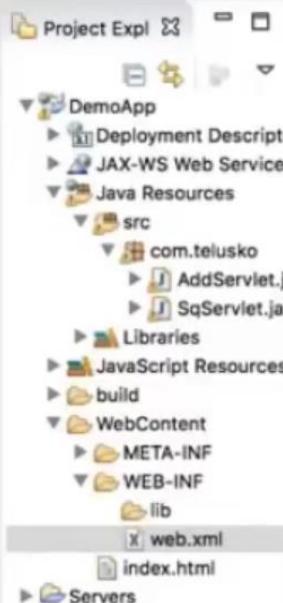
Search

Hello to Sq

TELUSKO

Java EE - DemoApp/src/com/telusko/AddServlet.java - Eclipse - /Users/navinreddy/Documents/workspace/servlet

Quick Access



```
1 package com.telusko;
2
3 import java.io.IOException;
4
5 public class AddServlet extends HttpServlet
6 {
7     public void doGet(HttpServletRequest req, HttpServletResponse res) throws IOException, ServletException
8     {
9
10         int i = Integer.parseInt(req.getParameter("num1"));
11         int j = Integer.parseInt(req.getParameter("num2"));
12
13         int k = i + j;
14
15         req.setAttribute("k", k);
16
17
18         RequestDispatcher rd = req.getRequestDispatcher("sq");
19         rd.forward(req, res);
20
21
22     }
23 }
```

Markers Properties Servers Data Source Explorer Snippets Problems Console

Tomcat v8.0 Server at localhost [Apache Tomcat] /Library/Java/JavaVirtualMachines/jdk1.8.0\_131.jdk/Contents/Home/bin/java (18-Jan-2018, 4:06:04 pm)

INFO: Reloading Context with name [/DemoApp] has started  
Jan 18, 2018 4:35:37 PM org.apache.catalina.core.StandardContext reload  
INFO: Reloading Context with name [/DemoApp] is completed  
Jan 18, 2018 4:36:17 PM org.apache.catalina.core.StandardContext reload  
INFO: Reloading Context with name [/DemoApp] is completed

TELUSKO

Java EE - DemoApp/src/com/telusko/SqServlet.java - Eclipse - /Users/navinreddy/Documents/workspace/servlet

Quick Access

Project Exploratory  
DemoApp  
Deployment Descriptor  
JAX-WS Web Service  
Java Resources  
src  
com.telusko  
AddServlet.java  
SqServlet.java  
Libraries  
JavaScript Resources  
build  
WebContent  
META-INF  
WEB-INF  
lib  
web.xml  
index.html  
Servers

```
1 package com.telusko;
2
3 import java.io.IOException;
4 import java.io.PrintWriter;
5
6 import javax.servlet.http.HttpServlet;
7 import javax.servlet.http.HttpServletRequest;
8 import javax.servlet.http.HttpServletResponse;
9
10 public class SqServlet extends HttpServlet
11 {
12     public void doGet(HttpServletRequest req, HttpServletResponse res) throws IOException
13     {
14
15         int k = (int) req.getAttribute("k");
16
17         k = k * k;
18
19         PrintWriter out = res.getWriter();
20         out.println("Result is " + k);
21     }
22 }
23
```

Markers Properties Servers Data Source Explorer Snippets Problems Console

Tomcat v8.0 Server at localhost [Apache Tomcat] /Library/Java/JavaVirtualMachines/jdk1.8.0\_131.jdk/Contents/Home/bin/java (18-Jan-2018, 4:06:04 pm)

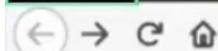
INFO: Reloading Context with name [/DemoApp] has started  
Jan 18, 2018 4:37:07 PM org.apache.catalina.core.StandardContext reload  
INFO: Reloading Context with name [/DemoApp] is completed  
Jan 18, 2018 4:37:17 PM org.apache.catalina.core.StandardContext reload  
INFO: Reloading Context with name [/DemoApp] has started

TELUSKO

localhost:8080/DemoApp/add X

localhost:8080/DemoApp/index X

+



localhost:8080/DemoApp/index.html

170%



Search

Enter 1st number : 6

Enter 2nd number : 2

Submit Query

TELUSKO

localhost:8080/DemoApp/add X

localhost:8080/DemoApp/Index X

+



localhost:8080/DemoApp/add?num1=6&num2=2 170% ... ⌂ ⌂ Search

Result is 64

TELUSKO

Java EE - DemoApp/src/com/telusko/AddServlet.java - Eclipse - /Users/navinreddy/Documents/workspace/servlet

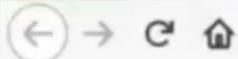
The screenshot shows the Eclipse IDE interface with the following details:

- Project Explorer:** Shows the project structure with files: index.html, AddServlet.java (selected), and SqServlet.java.
- Servers:** Shows a Tomcat v8.0 Server at localhost [Stopped, Republish].
- Code Editor:** Displays the Java code for AddServlet.java. The code implements an HttpServlet and overrides the doGet method to add two integers from request parameters and then redirect the response to a file named "sq". A comment block follows, showing alternative code using RequestDispatcher to forward the request to "sq".

```
1 package com.telusko;
2
3 import java.io.IOException;
4
5 public class AddServlet extends HttpServlet
6 {
7     public void doGet(HttpServletRequest req, HttpServletResponse res) throws IOException, ServletException
8     {
9
10         int i = Integer.parseInt(req.getParameter("num1"));
11         int j = Integer.parseInt(req.getParameter("num2"));
12
13         int k = i + j;
14
15         res.sendRedirect("sq");
16
17
18
19
20
21
22
23
24
25
26 // RequestDispatcher rd = req.getRequestDispatcher("sq");
27 // rd.forward(req, res);
28
29
30
31 }
```

TELUSKO

localhost:8080/DemoApp/index.html X



localhost:8080/DemoApp/index.html

170%



Search

Enter 1st number : 7

Enter 2nd number : 5

Submit Query

5

# HTTP Status 500 -

**type** Exception report

**message**

**description** The server encountered an internal error that prevented it from fulfilling this request.

**exception**

```
java.lang.NullPointerException
    com.telusko.SqServlet doGet(SqServlet.java:15)
    javax.servlet.http.HttpServlet.service(HttpServlet.java:622)
    javax.servlet.http.HttpServlet.service(HttpServlet.java:729)
    org.apache.tomcat.websocket.server.WsFilter.doFilter(WsFilter.java:52)
```

**note** The full stack trace of the root cause is available in the Apache Tomcat/8.0.48 logs.

**Apache Tomcat/8.0.48**

TELUSKO

Java EE - DemoApp/src/com/telusko/SqServlet.java - Eclipse - /Users/navinreddy/Documents/workspace/servlet

Project Expl

DemoApp  
Servers

```
1 package com.telusko;
2
3 import java.io.IOException;
4
5 public class SqServlet extends HttpServlet
6 {
7     public void doGet(HttpServletRequest req, HttpServletResponse res) throws IOException
8     {
9
10 //         int k = (int) req.getAttribute("k");
11 //         k = k * k;
12 //         PrintWriter out = res.getWriter();
13 //         out.println("Result is " + k);
14
15         System.out.println("sq called");
16     }
17 }
```

Markers Properties Servers Data Source Explorer Snippets Problems Console

Tomcat v8.0 Server at localhost [Started, Restart]

TELUSKO

localhost:8080/DemoApp/index.html X



localhost:8080/DemoApp/index.html

170%

...



Search

Enter 1st number : 7

Enter 2nd number : 5

Submit Query

TELUSKO

localhost:8080/DemoApp/sq



localhost:8080/DemoApp/sq

170%



Search

TELUSKO

Java EE - DemoApp/src/com/telusko/SqServlet.java - Eclipse - /Users/navinreddy/Documents/workspace/servlet

Project Expl

DemoApp  
Servers

```
1 package com.telusko;
2
3 import java.io.IOException;
4
5 public class SqServlet extends HttpServlet
6 {
7     public void doGet(HttpServletRequest req, HttpServletResponse res) throws IOException
8     {
9
10         int k = Integer.parseInt(req.getParameter("k"));
11
12         k = k * k;
13
14         PrintWriter out = res.getWriter();
15         out.println("Result is " + k);
16
17         System.out.println("sq called");
18     }
19 }
20
21
22
23
24 }
25 }
```

Markers Properties Servers Data Source Explorer Snippets Problems Console

Tomcat v8.0 Server at localhost [Apache Tomcat] /Library/Java/JavaVirtualMachines/jdk1.8.0\_131.jdk/Contents/Home/bin/java (25-Jan-2018, 4:08:36 pm)

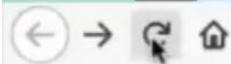
INFO: Reloading Context with name [/DemoApp] has started

Jan 25, 2018 4:09:28 PM org.apache.catalina.core.StandardContext reload

TELUSKO



localhost:8080/DemoApp/index.html



localhost:8080/DemoApp/index.html

170%



Search

Enter 1st number : 7

Enter 2nd number : 5

Submit Query

# HTTP Status 500 - null

**type** Exception report

**message** null

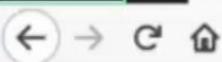
**description** The server encountered an internal error that prevented it from fulfilling this request.

**exception**

```
java.lang.NumberFormatException: null
    java.lang.Integer.parseInt(Integer.java:542)
    java.lang.Integer.parseInt(Integer.java:615)
    com.telusko.SqServlet.doGet(SqServlet.java:15)
    javax.servlet.http.HttpServlet.service(HttpServlet.java:622)
    javax.servlet.http.HttpServlet.service(HttpServlet.java:729)
    org.apache.tomcat.websocket.server.WsFilter.doFilter(WsFilter.java:52)
```

**note** The full stack trace of the root cause is available in the Apache Tomcat/8.0.48 logs.

**Apache Tomcat/8.0.48**



localhost:8080/DemoApp/sq?k=9

→ 170%

Search

http://localhost:8080/DemoApp/sq?k=9 — Visit

Search for localhost:8080/DemoApp/sq?k=9 with:

**type** Exception report**message** null**description** The server encountered an internal error that prevented it from fulfilling this request.**exception**

```
java.lang.NumberFormatException: null
    java.lang.Integer.parseInt(Integer.java:542)
    java.lang.Integer.parseInt(Integer.java:615)
    com.telusko.SqServlet.doGet(SqServlet.java:15)
    javax.servlet.http.HttpServlet.service(HttpServlet.java:622)
    javax.servlet.http.HttpServlet.service(HttpServlet.java:729)
    org.apache.tomcat.websocket.server.WsFilter.doFilter(WsFilter.java:52)
```

**note** The full stack trace of the root cause is available in the Apache Tomcat/8.0.48 logs.

TELUSKO

localhost:8080/DemoApp/sq?k=



localhost:8080/DemoApp/sq?k=9

170% ... 🌐 ⭐

Search

Result is 81

TELUSKO

Java EE - DemoApp/src/com/telusko/AddServlet.java - Eclipse - /Users/navinreddy/Documents/workspace/servlet

Project Expl

DemoApp  
Servers

```
1 package com.telusko;
2
3 import java.io.IOException;
4
5 public class AddServlet extends HttpServlet
6 {
7     public void doGet(HttpServletRequest req, HttpServletResponse res) throws IOException, ServletException
8     {
9
10         int i = Integer.parseInt(req.getParameter("num1"));
11         int j = Integer.parseInt(req.getParameter("num2"));
12
13         int k = i + j;
14
15         res.sendRedirect("sq?k="+k);
16
17
18
19
20
21
22
23
24
25
26 //
27 //     RequestDispatcher rd = req.getRequestDispatcher("sq");
28 //     rd.forward(req, res);
29
30
31 }
```

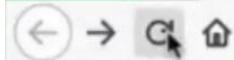
Markers Properties Servers Data Source Explorer Snippets Problems Console

Tomcat v8.0 Server at localhost [Apache Tomcat] /Library/Java/JavaVirtualMachines/jdk1.8.0\_131.jdk/Contents/Home/bin/java (25-Jan-2018, 4:10:28 pm)

```
at org.apache.tomcat.util.net.NioEndpoint$SocketProcessor.doRun(NioEndpoint.java:1539)
at org.apache.tomcat.util.net.NioEndpoint$SocketProcessor.run(NioEndpoint.java:1495)
```

TELUSKO

localhost:8080/DemoApp/index.html X



localhost:8080/DemoApp/index.html

170%



Search

Enter 1st number : 7

Enter 2nd number : 5

Submit Query

TELUSKO

localhost:8080/DemoApp/sq?k=12



localhost:8080/DemoApp/sq?k=12

170%



Search

Result is 144

TELUSKO

Java EE - DemoApp/src/com/telusko/AddServlet.java - Eclipse - /Users/navinreddy/Documents/workspace/servlet

Project Expl

```
1 package com.telusko;
2
3 import java.io.IOException;
4
5 public class AddServlet extends HttpServlet
6 {
7     public void doGet(HttpServletRequest req, HttpServletResponse res) throws IOException, ServletException
8     {
9
10         int i = Integer.parseInt(req.getParameter("num1"));
11         int j = Integer.parseInt(req.getParameter("num2"));
12
13         int k = i + j;
14
15         res.sendRedirect("sq?k="+k);           // URL Rewriting
16
17
18
19
20
21
22
23
24
25
26 //
27 //     RequestDispatcher rd = req.getRequestDispatcher("sq");
28 //     rd.forward(req, res);
29
30
31
32 }
```

Markers Properties Servers Data Source Explorer Snippets Problems Console

Tomcat v8.0 Server at localhost [Apache Tomcat] /Library/Java/JavaVirtualMachines/jdk1.8.0\_131.jdk/Contents/Home/bin/java (25-Jan-2018, 4:10:28 pm)  
at java.lang.Thread.run(Thread.java:748)

TELUSKO

servlet - Java EE - DemoApp/src/com/telusko/AddServlet.java - Eclipse

The screenshot shows the Eclipse IDE interface with the following details:

- Project Explorer:** Shows the project structure with "DemoApp" selected.
- ActionBar:** Contains various icons for file operations like Open, Save, Cut, Copy, Paste, Find, and others.
- Editor:** Displays the Java code for `AddServlet.java`. The code implements `HttpServlet` and overrides `doGet` to add two integers from request parameters and store the result in a session attribute.

```
1 package com.telusko;
2
3 import java.io.IOException;
4
5 public class AddServlet extends HttpServlet
6 {
7     public void doGet(HttpServletRequest req, HttpServletResponse res) throws IOException, ServletException
8     {
9         int i = Integer.parseInt(req.getParameter("num1"));
10        int j = Integer.parseInt(req.getParameter("num2"));
11
12        int k = i + j;
13
14        HttpSession session = req.getSession();
15        session.setAttribute("k", k);
16
17        res.sendRedirect("sq");
18
19
20        // RequestDispatcher rd = req.getRequestDispatcher("sq");
21        // rd.forward(req, res);
22
23    }
24}
```

- Bottom Bar:** Includes tabs for Markers, Properties, Servers, Data Source Explorer, Snippets, Problems, and Console. The Console tab is currently active.
- Status Bar:** Displays the message "No consoles to display at this time."

TELUSKO

servlet - Java EE - DemoApp/src/com/telusko/SqServlet.java - Eclipse

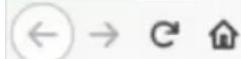
The screenshot shows the Eclipse IDE interface with the following details:

- Project Explorer:** Shows the project structure with "DemoApp" selected.
- Editor:** Displays the Java code for `SqServlet.java`. The code implements a servlet that calculates the square of a value stored in a session attribute named "k".
- Code Snippet:** The line `int k = (int) session.getAttribute("k");` is highlighted with a light blue background.
- Bottom Bar:** Contains tabs for Markers, Properties, Servers, Data Source Explorer, Snippets, Problems, and Console. The Console tab is active, showing the message: "No consoles to display at this time."

```
1 package com.telusko;
2
3 import java.io.IOException;
4
5 public class SqServlet extends HttpServlet
6 {
7     public void doGet(HttpServletRequest req, HttpServletResponse res) throws IOException
8     {
9         HttpSession session = req.getSession();
10
11         int k = (int) session.getAttribute("k");
12
13         k = k * k;
14
15         PrintWriter out = res.getWriter();
16         out.println("Result is " + k);
17
18         System.out.println("sq called");
19     }
20 }
21
22
23
24
25
26
27
```

TELUSKO

localhost:8080/DemoApp/index.htm X



localhost:8080/DemoApp/index.html

170%



Search

Enter 1st number : 2

Enter 2nd number : 3

Submit Query

TELUSKO

localhost:8080/DemoApp/sq



localhost:8080/DemoApp/sq

170%



Search

Result is 25

TELUSKO

servlet - Java EE - DemoApp/src/com/telusko/AddServlet.java - Eclipse

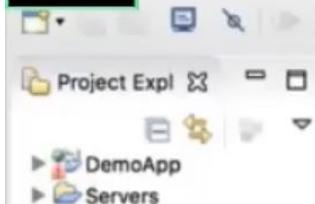
The screenshot shows the Eclipse IDE interface with the following details:

- Project Explorer:** Shows the project structure with "DemoApp" selected.
- Editor:** Displays the Java code for `AddServlet.java`. The code implements an `HttpServlet` to add two integers from query parameters and set a cookie. It includes a commented-out section for forwarding the request to another page.
- Toolbar:** Standard Eclipse toolbar icons.
- Bottom Bar:** Shows tabs for Markers, Properties, Servers, Data Source Explorer, Snippets, Problems, and Console. The Console tab is active, showing deployment logs.
- Console Log:** Displays the message "INFO: Reloading Context with name [/DemoApp] has started".

```
1 package com.telusko;
2
3 import java.io.IOException;
4
5 public class AddServlet extends HttpServlet
6 {
7     public void doGet(HttpServletRequest req, HttpServletResponse res) throws IOException, ServletException
8     {
9
10        int i = Integer.parseInt(req.getParameter("num1"));
11        int j = Integer.parseInt(req.getParameter("num2"));
12
13        int k = i + j;
14
15        Cookie cookie = new Cookie("k", k + "");
16        res.addCookie(cookie);
17
18        res.sendRedirect("sq");
19
20
21
22
23
24
25
26
27
28
29
30 //      RequestDispatcher rd = req.getRequestDispatcher("sq");
31 //      rd.forward(req, res);
32
33
34 }
```

TELUSKO

servlet - Java EE - DemoApp/src/com/telusko/SqServlet.java - Eclipse



```
1 package com.telusko;
2
3 import java.io.IOException;
4
5 public class SqServlet extends HttpServlet
6 {
7     public void doGet(HttpServletRequest req, HttpServletResponse res) throws IOException
8     {
9         int k = 0;
10        Cookie cookies[] = req.getCookies();
11
12        for(Cookie c : cookies)
13        {
14            if(c.getName().equals("k"))
15                k = Integer.parseInt(c.getValue());
16        }
17
18        k = k * k;
19
20        PrintWriter out = res.getWriter();
21        out.println("Result is " + k);
22
23
24
25        System.out.println("so called");
```

Markers Properties Servers Data Source Explorer Snippets Problems Console

Tomcat v8.0 Server at localhost [Apache Tomcat] /Library/Java/JavaVirtualMachines/jdk1.8.0\_131.jdk/Contents/Home/bin/java (04-Feb-2018, 6:14:24 PM)

INFO: Reloading Context with name [/DemoApp] has started

TELUSKO

localhost:8080/DemoApp/sq X

localhost:8080/DemoApp/index.html X

+



localhost:8080/DemoApp/index.html

170%

... 🌐 ⭐

Search

Enter 1st number : 8

Enter 2nd number : 66

Submit Query

TELUSKO

localhost:8080/DemoApp/sq X

localhost:8080/DemoApp/index.html X

+



localhost:8080/DemoApp/index.html

170%



Search

Enter 1st number : 8

Enter 2nd number : 6

Submit Query

TELUSKO

localhost:8080/DemoApp/sq X

localhost:8080/DemoApp/index X

+



localhost:8080/DemoApp/sq

170%

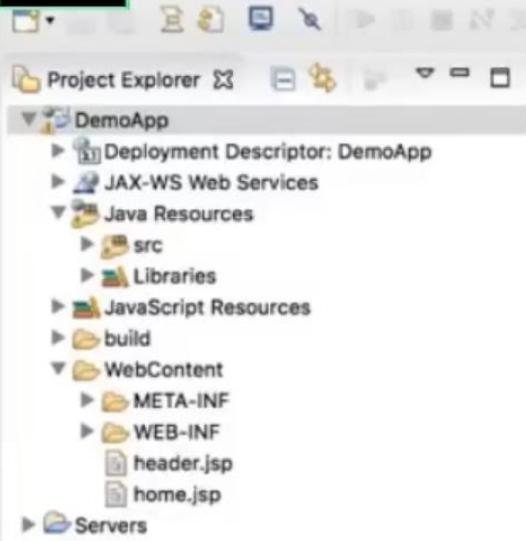
... 🌐 ⭐

Search

Result is 196

TELUSKO

servlet - Java EE - DemoApp/WebContent/WEB-INF/web.xml - Eclipse



```
web.xml MyServlet.java
3   <display-name>DemoApp</display-name>
4
5
6<!-->
6<servlet>
7   <servlet-name>abc</servlet-name>
8   <servlet-class>com.telusko.MyServlet</servlet-class>
9 </servlet>
10
11<servlet-mapping>
12   <servlet-name>abc</servlet-name>
13   <url-pattern>/home</url-pattern>
14 </servlet-mapping>
15
16<context-param>
17   <param-name>name</param-name>
18   <param-value>Navin</param-value>
19 </context-param>
20
21<context-param>
22   <param-name>Phone</param-name>
23   <param-value>Samsung</param-value>
24
25 </context-param>
26
```

Design Source

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v8.0 Server at localhost [Apache Tomcat] /Library/Java/JavaVirtualMachines/jdk1.8.0\_131.jdk/Contents/Home/bin/java (28-May-2018, 5:12:14 PM)

May 28, 2018 5:22:45 PM org.apache.catalina.core.StandardContext reload

INFO: Reloading Context with name [/DemoApp] is completed

May 28, 2018 5:22:45 PM org.apache.catalina.core.StandardContext reload

TELUSKO

servlet - Java EE - DemoApp/src/com/telusko/MyServlet.java - Eclipse

Quick Access

```
9 import javax.servlet.http.HttpServletRequest;
10 import javax.servlet.http.HttpServletResponse;
11
12 /**
13  * Hey Subscribers...
14  *
15  * ServletConfig & ServletContext
16  *
17 */
18
19 public class MyServlet extends HttpServlet {
20
21     protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
22
23         PrintWriter out = response.getWriter();
24         out.print("Hi ");
25
26         ServletContext ctx = getServletContext();
27         String str = ctx.getInitParameter("Phone");
28         out.println(str);
29
30
31
32     }
33 }
```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v8.0 Server at localhost [Apache Tomcat] /Library/Java/JavaVirtualMachines/jdk1.8.0\_131.jdk/Contents/Home/bin/java (28-May-2018, 5:57:26 PM)

May 28, 2018 5:57:37 PM org.apache.catalina.core.StandardContext reload

INFO: Reloading Context with name [/DemoApp] is completed

TELUSKO

servlet - Java EE - http://localhost:8080/DemoApp/home - Eclipse

Quick Access

web.xml MyServlet.java http://localhost:8080/DemoApp/home

http://localhost:8080/DemoApp/home

Hi Samsung

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v8.0 Server at localhost [Apache Tomcat] /Library/Java/JavaVirtualMachines/jdk1.8.0\_131.jdk/Contents/Home/bin/java (28-May-2018, 5:57:26 PM)

May 28, 2018 5:57:37 PM org.apache.catalina.core.StandardContext reload

INFO: Reloading Context with name [/DemoApp] is completed

TELUSKO

## servlet - Java EE - DemoApp/WebContent/WEB-INF/web.xml - Eclipse

Quick Access

MyServlet.java http://localhost:8080/DemoApp/home

```
1<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://xmlns.jcp.org/xml/ns/javaee" xsi:schemaLocation="2http://xmlns.jcp.org/xml/ns/javaee/web-app_3_1.xsd" version="3.1">
3    <display-name>DemoApp</display-name>
4
5
6    <servlet>
7        <servlet-name>abc</servlet-name>
8        <servlet-class>com.telusko.MyServlet</servlet-class>
9
10       <init-param>
11           <param-name>name</param-name>
12           <param-value>Sukesh</param-value>
13       </init-param>
14
15   </servlet>
16
17   <servlet-mapping>
18       <servlet-name>abc</servlet-name>
19       <url-pattern>/home</url-pattern>
20   </servlet-mapping>
21
22   <context-param>
23       <param-name>name</param-name>
24       <param-value>Navin</param-value>
25   </context-param>
```

Design Source

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v8.0 Server at localhost [Apache Tomcat] /Library/Java/JavaVirtualMachines/jdk1.8.0\_131.jdk/Contents/Home/bin/java (28-May-2018, 5:57:26 PM)

May 28, 2018 5:57:47 PM org.apache.catalina.core.StandardContext reload

INFO: Reloading Context with name [/DemoApp] is completed

TELUSKO

servlet - Java EE - DemoApp/src/com/telusko/MyServlet.java - Eclipse

Quick Access

```
11
12  /**
13  * Hey Subscribers...
14  *
15  * ServletConfig & ServletContext
16  *
17  */
18
19 public class MyServlet extends HttpServlet {
20
21     protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
22
23         PrintWriter out = response.getWriter();
24         out.print("Hi ");
25
26         ServletConfig cg = getServletConfig();
27         String str = cg.getInitParameter("name");
28         out.println(str);
29
30
31
32     }
33
34 }
35
```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v8.0 Server at localhost [Started, Synchronized]

TELUSKO

servlet - Java EE - http://localhost:8080/DemoApp/home - Eclipse

Quick Access



web.xml MyServlet.java

http://localhost:8080/DemoApp/home

http://localhost:8080/DemoApp/home

Hi Sukesh

Markers Properties Servers Data Source Explorer Snippets Console



Tomcat v8.0 Server at localhost [Started, Synchronized]

TELUSKO

■ servlet - Java EE - DemoApp/src/com/telusko/AddServlet.java - Eclipse

The screenshot shows the Eclipse IDE interface with the following details:

- Project Explorer:** Shows the project structure for "DemoApp".
- Java Resources:** Contains "src" folder which includes "com.telusko" package with "AddServlet.java" and "SqServlet.java" files.
- Code Editor:** Displays the content of "AddServlet.java".
- Bottom Bar:** Shows various Eclipse toolbars and the status bar indicating "Tomcat v8.0 Server at localhost [Stopped, Synchronized]".

```
index.html AddServlet.java SqServlet.java web.xml
1 package com.telusko;
2
3+ import java.io.IOException;
4
5 @WebServlet("/add")
6 public class AddServlet extends HttpServlet
7 {
8     public void doGet(HttpServletRequest req, HttpServletResponse res) throws IOException, ServletException
9     {
10
11         int i = Integer.parseInt(req.getParameter("num1"));
12         int j = Integer.parseInt(req.getParameter("num2"));
13
14         int k = i + j;
15
16         Cookie cookie = new Cookie("k", k + "");
17         res.addCookie(cookie);
18
19         res.sendRedirect("sq");
20
21
22
23
24
25
26
27
28
29
30
31
32
33     }
34
35 }
```

Markers Properties Servers Data Source Explorer Snippets Problems Console

Tomcat v8.0 Server at localhost [Stopped, Synchronized]

TELUSKO

servlet - Java EE - DemoApp/src/com/telusko/SqServlet.java - Eclipse

The screenshot shows the Eclipse IDE interface with the following details:

- Project Explorer:** Shows the project structure for "DemoApp".
- Java Resources:** Contains the "src" folder which includes the "com.telusko" package with "AddServlet.java" and "SqServlet.java".
- Servers:** Shows a Tomcat v8.0 Server at localhost [Stopped, Republish].
- Code Editor:** Displays the Java code for "SqServlet.java".
- Toolbars and Menus:** Standard Eclipse toolbars and menus.
- Bottom Bar:** Includes links to Markers, Properties, Servers, Data Source Explorer, Snippets, Problems, and Console.

```
1 package com.telusko;
2
3 import java.io.IOException;
4
5 @WebServlet("/")
6 public class SqServlet extends HttpServlet
7 {
8     public void doGet(HttpServletRequest req, HttpServletResponse res) throws IOException
9     {
10         int k = 0;
11         Cookie cookies[] = req.getCookies();
12
13         for(Cookie c : cookies)
14         {
15             if(c.getName().equals("k"))
16                 k = Integer.parseInt(c.getValue());
17         }
18
19         k = k * k;
20
21         PrintWriter out = res.getWriter();
22         out.println("Result is " + k);
23     }
24
25
26
27
28
29
30
31
32 }
```

TELUSKO



localhost:8080/DemoApp/index.html



localhost:8080/DemoApp/index.html

170%

\*\*\*



Search

Enter 1st number : 4

Enter 2nd number : 5

Submit Query

TELUSKO



localhost:8080/DemoApp/sq



localhost:8080/DemoApp/sq

170%

\*\*\*



Search

Result is 81

TELUSKO

servlet - Java EE - DemoApp/src/com/telusko/AddServlet.java - Eclipse

The screenshot shows the Eclipse IDE interface with the following details:

- Project Explorer:** Shows the project structure for "DemoApp". It includes a "src" folder containing "com.telusko" with "AddServlet.java" and "SqServlet.java". Other folders like "JAX-WS Web Service", "Java Resources", "Libraries", "JavaScript Resources", "build", "WebContent", and "Servers" are also listed.
- Code Editor:** Displays the content of "AddServlet.java". The code defines a servlet named "AddServlet" that adds two integers from query parameters and prints the result. The code is as follows:

```
1 package com.telusko;
2
3 import java.io.IOException;
4
5 @WebServlet("/add")
6 public class AddServlet extends HttpServlet
7 {
8     public void doGet(HttpServletRequest req, HttpServletResponse res) throws IOException, ServletException
9     {
10
11         int i = Integer.parseInt(req.getParameter("num1"));
12         int j = Integer.parseInt(req.getParameter("num2"));
13
14         int k = i + j;
15
16         PrintWriter out = res.getWriter();
17         out.println("<html><body bgcolor='cyan'>");
18         out.println("Output : " + k);
19         out.print("</body></html>");
20
21
22
23
24
25
26
27
28
29
30
31
32
33     }
34
35 }
```

- Console:** Shows log messages from Tomcat v8.0 Server at localhost. The messages indicate the context is being reloaded and completed.

```
Tomcat v8.0 Server at localhost [Apache Tomcat] /Library/Java/JavaVirtualMachines/jdk1.8.0_131.jdk/Contents/Home/bin/java (12-Feb-2018, 3:53:34 PM)
INFO: Reloading Context with name [/DemoApp] has started
Feb 12, 2018 3:55:06 PM org.apache.catalina.core.StandardContext reload
INFO: Reloading Context with name [/DemoApp] is completed
```

TELUSKO localhost:8080/DemoApp/index.html +

localhost:8080/DemoApp/index.html 170% \*\*\* ☆ Search

Enter 1st number : 4

Enter 2nd number : 6

Submit Query

TELUSKO



localhost:8080/DemoApp/index



localhost:8080/DemoApp/add?num1=4&num2=6

170%

\*\*\*



Search

Output : 10

The screenshot shows the Eclipse IDE interface with the following details:

- Project Explorer:** Shows the project structure under "DemoApp".
  - JAX-WS Web Service:**
  - Java Resources:**
    - src:** Contains packages like com.telusko and sub-packages AddServlet and SqServlet, along with their corresponding Java files.
    - Libraries:**
  - JavaScript Resources:**
  - build**
  - WebContent:**
    - META-INF**
    - WEB-INF:** Contains a "lib" folder and a "web.xml" file.
    - add.jsp**
    - index.html**
- Code Editor:** Displays the content of the "add.jsp" file.

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8"
2     pageEncoding="UTF-8"%>
3 <!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">
4 <html>
5 <head>
6 <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
7 <title>Insert title here</title>
8 </head>
9 <body bgcolor="#cyan">
10    <%
11        int i = Integer.parseInt(request.getParameter("num1"));
12        int j = Integer.parseInt(request.getParameter("num2"));
13
14        int k = i + j;
15
16        out.println("Output : " + k);
17
18    %>
19 </body>
20 </html>
```
- Bottom Bar:** Shows various Eclipse perspectives: Markers, Properties, Servers, Data Source Explorer, Snippets, Problems, and Console. The "Servers" perspective is currently selected.
- Servers View:** Shows "Tomcat v8.0 Server at localhost [Started, Synchronized]".

TELUSKO

servlet - Java EE - DemoApp/WebContent/index.html - Eclipse

Project Expl X add.jsp

DemoApp

- JAX-WS Web Service
- Java Resources
  - src
    - com.telusko
      - AddServlet.java
      - SqServlet.java
  - Libraries
  - JavaScript Resources
  - build
  - WebContent
    - META-INF
    - WEB-INF
      - lib
      - web.xml
    - add.jsp
    - index.html
  - Servers

```
1 <!DOCTYPE html>
2 <html>
3 <body>
4     <form action="add.jsp" method="get">
5
6         Enter 1st number : <input type="text" name="num1"><br>
7         Enter 2nd number : <input type="text" name="num2"><br>
8         <input type="submit">
9
10    </form>
11
12 </body>
13 </html>
```

Markers Properties Servers Data Source Explorer Snippets Problems Console

Tomcat v8.0 Server at localhost [Started, Republish]

TELUSKO

localhost:8080/DemoApp/index.html X



localhost:8080/DemoApp/index.html

170%



Search

Enter 1st number : 8

Enter 2nd number : 9

Submit Query

9

TELUSKO

Insert title here

X +



localhost:8080/DemoApp/add.jsp?num1=8&num2=9

170%

...



Search

Output : 17



Subscribe

directive ← <%@ page %>

import = "java.util.Date" %>

declaration } ← <%! int value = 1; %>

scriptlet } ← <% int i = request.getParameter("hi"); int j = ...; int k = i+j; %>

Expression ← <%= k %>

</body>

</html>

Servlet

```
m public class demo2 extends HttpServlet {
    int value = 1;
    service(req, res) {
        PrintWriter out = ...;
        out.println(k);
    }
}
```

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ToDoJsp - NetBeans IDE 8.2

Projects Files Services

ToDoJsp

Web Pages WEB-INF home.jsp index.html

Source Packages Libraries Configuration Files

home.jsp

Source History

<%--  
Document : home  
Created on : May 21, 2018, 2:57:22 PM  
Author : navinreddy  
--%>  
<%@page contentType="text/html" pageEncoding="UTF-8"%>  
<!DOCTYPE html>  
<html>  
 <head>  
 <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">  
 <title>JSP Page</title>  
 </head>  
 <body>  
 <h1>Hello World! </h1>  
 <%  
 out.println(7+5);  
 %>  
 </body>  
</html>

Navigator

html  
head  
meta  
title  
body  
h1

html > body > h1 >

Notifications Output

ToDoJsp (run) Java DB Database Process GlassFish Server 4.1.1

Mon May 21 14:58:29 IST 2018 : Security manager installed using the Basic server security policy.  
Mon May 21 14:58:30 IST 2018 : Apache Derby Network Server - 10.10.2.0 - (1582446) started and ready to accept connections on port 1527

TELUSKO

NetBeans IDE Download

JSP Page

File

← → ⌘ ⌘ ⌘ localhost:8080/ToDoJsp/home.jsp

2:03:22 / 5:56:53

# Hello World!

12

TELUSKO

ToDoJsp - NetBeans IDE 8.2

Search (%I)

Projects Files Services

ToDoJsp

Web Pages

- WEB-INF
- home.jsp
- index.html

Source Packages

Libraries

Configuration Files

home.jsp home\_jsp.java

Source History

21 <title>JSP Page</title>

22 </head>

23 <body>

24 <%!

25 | int coef = 3;

26 |

27 %>

28

29 <h1>Hello World! </h1>

30

31 <%

32 | int i = 9;

33 | out.println(7+5);

34 | %>

35 </body>

36 </html>

37

38

Navigator

html

meta

title

h1

Notifications Output

ToDoJsp (run) Java DB Database Process GlassFish Server 4.1.1

deps-module-jar:  
deps-ear-jar:  
deps-jar:  
library-inclusion-in-archive:  
library-inclusion-in-manifest:  
compile:  
compile-jsp:  
Compiling 1 source file to /Users/navinreddy/NetBeansProjects/ToDoJsp/build/generated/classes

Telusko

Navin Reddy

```
<title>JSP Page</title>
</head>
<body>
<%!
| int coef = 3;
|
%>
<h1>Hello World! </h1>
<%
| int i = 9;
| out.println(7+5);
| %>
</body>
</html>
```

```
deps-module-jar:
deps-ear-jar:
deps-jar:
library-inclusion-in-archive:
library-inclusion-in-manifest:
compile:
compile-jsp:
Compiling 1 source file to /Users/navinreddy/NetBeansProjects/ToDoJsp/build/generated/classes
```

TELUSKO

ToDoJsp - NetBeans IDE 8.2

Search (%+!)

Projects Files Services

ToDoJsp

Web Pages

- WEB-INF
- home.jsp
- index.html

Source Packages

Libraries

Configuration Files

Source History

home.jsp home\_jsp.java

```
<%--  
2 Document      : home  
3 Created on   : May 21, 2018, 2:57:22 PM  
4 Author        : navinreddy  
---%>  
5  
6  
7 <%@page import="java.util.*"%>  
8  
9  
10 Declaration  
11 Directive  
12 Scriptlet  
13 Expression     {  
14  
15 <%@page contentType="text/html" pageEncoding="UTF-8"%>  
16 <!DOCTYPE html>  
17 <html>  
18   <head>  
19     <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">  
20     <title>JSP Page</title>  
21   </head>  
22   <body>  
23     <% !
```

Navigator

html

meta

title

h1

Notifications Output

ToDoJsp (run) Java DB Database Process GlassFish Server 4.1.1

```
init:  
deps-module-jar:  
deps-ear-jar:  
deps-jar:  
library-inclusion-in-archive:  
library-inclusion-in-manifest:  
compile:  
compile-jsp:
```

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Filters:

TELUSKO

ToDoJsp - NetBeans IDE 8.2

Search (%I)

Projects Files Services

ToDoJsp

Web Pages

WEB-INF home.jsp index.html

Source Packages Libraries Configuration Files

home.jsp home\_jsp.java

Source History

23 <body>  
24 <%!  
25 int coef = 3;  
26 %>  
27  
28 <h1>Hello World! </h1>  
29  
30 <%  
31 int i = 9;  
32 out.println(7+5);  
33 %>  
34  
35 <% My Fav Number is : <% out.println(coef); %>  
36  
37 </body>  
38 </html>

Navigator

html meta title h1

Notifications Output

ToDoJsp (run) Java DB Database Process GlassFish Server 4.1.1

Compiling 1 source file to /Users/navinreddy/NetBeansProjects/ToDoJsp/build/generated/classes  
Incrementally deploying ToDoJsp  
Completed incremental distribution of ToDoJsp  
run-deploy:  
Browsing: http://localhost:8080/ToDoJsp/home.jsp  
run-display-browser:  
run:  
BUILD SUCCESSFUL (total time: 0 seconds)

Telusko

Navin Reddy

TELUSKO

ToDoJsp - NetBeans IDE 8.2

Search (%I)

Projects Files Services

ToDoJsp

Web Pages

WEB-INF home.jsp index.html

Source Packages Libraries Configuration Files

home.jsp home\_jsp.java

Source History

23 <body>  
24     <%!  
25         int coef = 3;  
26     %>  
27  
28     <h1>Hello World! </h1>  
29  
30     <%  
31         int i = 9;  
32         out.println(7+5);  
33     %>  
34  
35     My Fav Number is : <%= coef %>  
36  
37     </body>  
38     </html>

Navigator

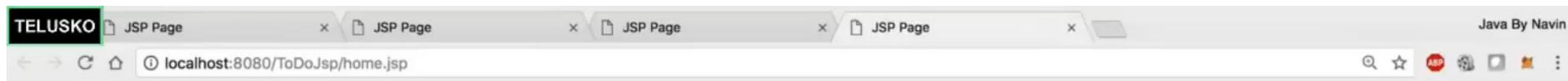
html meta title h1

Notifications Output

ToDoJsp (run) Java DB Database Process GlassFish Server 4.1.1

Compiling 1 source file to /Users/navinreddy/NetBeansProjects/ToDoJsp/build/generated/classes  
Incrementally deploying ToDoJsp  
Completed incremental distribution of ToDoJsp  
run-deploy:  
Browsing: http://localhost:8080/ToDoJsp/home.jsp  
run-display-browser:  
run:  
**BUILD SUCCESSFUL (total time: 0 seconds)**

Filters:



Declaration Directive Scriptlet Expression

# Hello World!

12 My Fav Number is : 3

```
3  
4  
5  
6  
7  
8  
9    JSP Directive  
10   @page|  
11   @include|  
12   @taglib|  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25 Telusko
```

```
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29 @page  
30  
31     <%@ page attribute="value" attritube="value" ... %>  
32  
33  
34  
35  
36  
37  
38  
39  
40 Telusko
```

```
37  
38  
39  
40  
41  
42     language="scripting language"  
43     extends="className"  
44     import="importList"  
45     session="true|false"  
46     autoFlush="true|false"  
47     contentType="ctinfo"  
48     errorPage="error_url"  
49     isErrorPage="true|false"  
50     info="information"  
51     isELIgnored="true|false"  
52     isThreadSafe="true|false"  
53  
54  
55  
56  
57  
58  
59
```

TELUSKO

servlet - Java EE - DemoApp/WebContent/home.jsp - Eclipse

Project Explorer    Servers    Quick Access

DemoApp  
Deployment Descriptor: DemoApp  
JAX-WS Web Services  
Java Resources  
JavaScript Resources  
build  
WebContent  
META-INF  
WEB-INF  
header.jsp  
home.jsp

home.jsp   header.jsp

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8"
2     pageEncoding="UTF-8" import="java.sql.Statement,java.util.Random"%>
3
4 <%@ page import="java.util.ArrayList" %>
5
6
7 <!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org
8<html>
9<head>
10<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
11<title>Insert title here</title>
12</head>
13<body>
14
15</body>
16</html>
```

Outline   Task List

jsp:directive.page language=java  
jsp:directive.page import=java.util.ArrayList  
DOCTYPE:html  
html  
head  
body

Markers   Properties   Servers   Data Source Explorer   Snippets   Console

Tomcat v8.0 Server at localhost [Started, Synchronized]

Telusko

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Page directive notes

```
58
59
60
61
62
63
64    <@page language="java" import="java.util.*,java.sql.*"
        info="Contact page" extends="com.telusko.User" contextType="text/
        html" isELIgnored="false" isThreadSafe="false" session="false"
65
66
67
68
69
70
71
72
73
74
75
76
77 Telusko
78
```

```
77  
78  
79  
80  
81     @Include  
82  
83     <%@ include file="filename" %>  
84     <%@ include file="header.jsp" %>  
85  
86  
87  
88  
89  
90  
91  
92  
93  
94  
95  
96  
97  
98  
99 Telusko
```

TELUSKO

servlet - Java EE - DemoApp/WebContent/home.jsp - Eclipse

Project Explorer    Servers    Quick Access

DemoApp  
Deployment Descriptor: DemoApp  
JAX-WS Web Services  
Java Resources  
JavaScript Resources  
build  
WebContent  
META-INF  
WEB-INF  
header.jsp  
home.jsp  
Servers

home.jsp   header.jsp

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8"
2     pageEncoding="UTF-8" import="java.sql.Statement,java.util.Random"%>
3
4     <%@ page import="java.util.ArrayList" %>
5     <%@ include file="header.jsp" %>
6
7 <!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org
8<html>
9<head>
10<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
11<title>Insert title here</title>
12</head>
13<body>
14
15</body>
16</html>
```

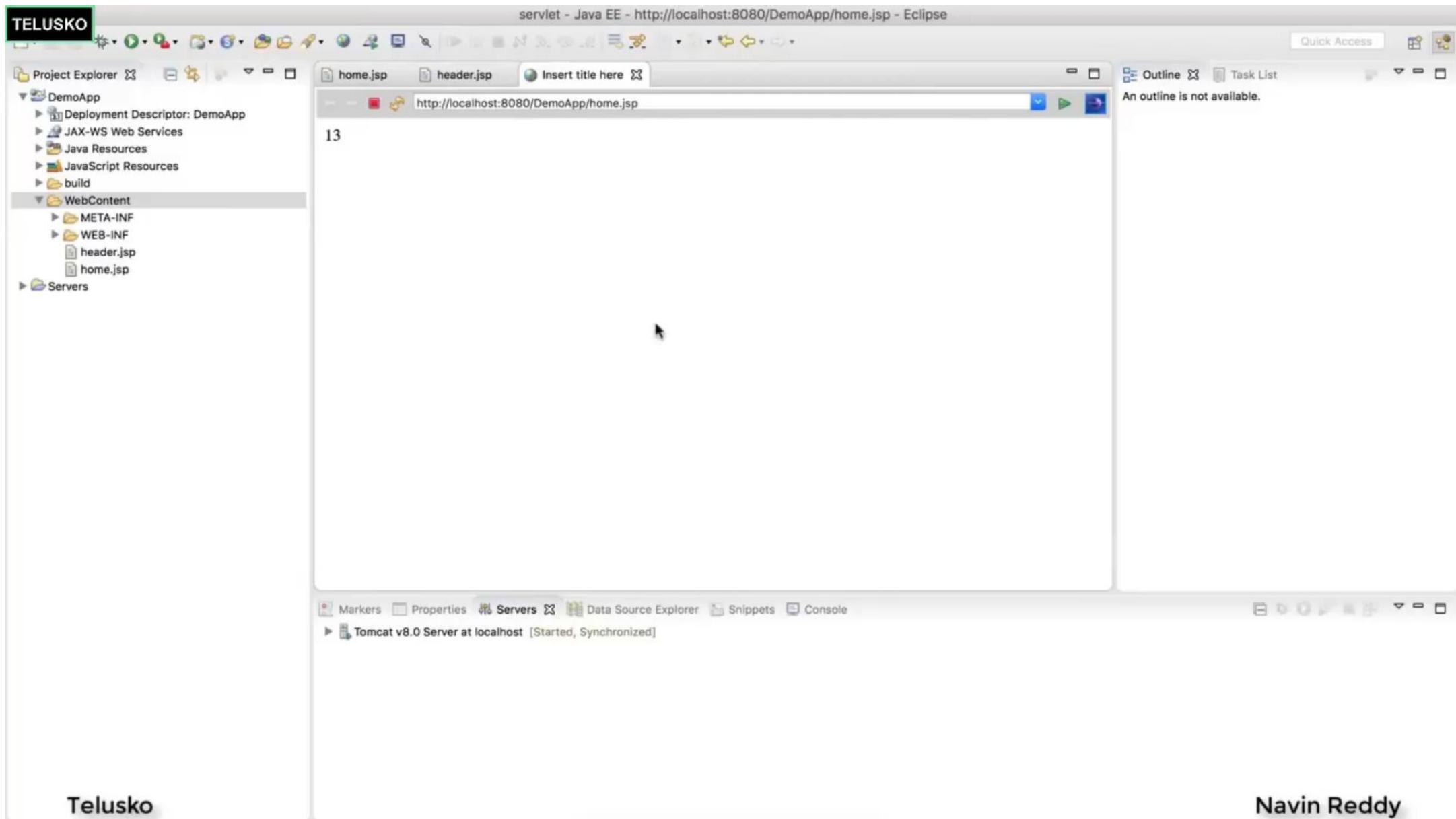
Outline   Task List

<%@ directive.page language=java  
<%@ directive.page import=java.util.ArrayList  
<%@ directive.include fil=header.jsp  
DOCTYPE:html  
html

Markers   Properties   Servers   Data Source Explorer   Snippets   Console

Tomcat v8.0 Server at localhost [Started, Synchronized]

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```
96  
97  
98  
99  
100  
101  
102  
103  
104  
105     @Taglib  
106  
107     <%@ taglib uri="uri" prefix="fx" %>  
108  
109  
110  
111  
112  
113  
114  
115  
116  
117  
118 Telusko
```

```
1  
2  
3  
4 Builtin Object (can be used in Scriptlet and Expression)  
5  
6 Request (HttpServletRequest)  
7  
8 Response (HttpServletResponse)|  
9  
10 PageContext (PageContext)  
11  
12 Out (JspWriter) ~ PrintWriter object  
13  
14 Session (HttpSession)  
15  
16 Application (ServletContext)  
17  
18 Config (ServletConfig)
```

TELUSKO

servlet - Java EE - DemoApp/WebContent/home.jsp - Eclipse

Project Explorer    web.xml    MyServlet.java    \*home.jsp    header.jsp

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8"
2     pageEncoding="UTF-8" import="java.sql.Statement,java.util.Random"%>
3
4     <%@ page import="java.util.ArrayList" %>
5     <%@ include file="header.jsp" %>
6
7 <!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">
8 <html>
9 <head>
10 <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
11 <title>Insert title here</title>
12 </head>
13 <body>
14 <%
15     pageContext.setAttribute("name", "navin", PageContext.SESSION_SCOPE);
16
17 |
18
19 %>
20 </body>
21 </html>
```

Markers   Properties   Servers   Data Source Explorer   Snippets   Console

Tomcat v8.0 Server at localhost [Started, Synchronized]

```
1  
2  
3  
4     Builtin Object (can be used in Scriptlet and Expression)  
5  
6         request (HttpServletRequest)  
7  
8         response (HttpServletResponse)  
9  
10        pageContext (PageContext)  
11  
12        out (JspWriter) ~ PrintWriter object  
13  
14        session (HttpSession)  
15  
16        application (ServletContext)  
17  
18        config (ServletConfig)
```

TELUSKO

servlet - Java EE - DemoApp/WebContent/home.jsp - Eclipse

Project Explorer    web.xml    MyServlet.java    \*home.jsp    header.jsp

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8"
2     pageEncoding="UTF-8" import="java.sql.Statement,java.util.Random"%>
3
4     <%@ page import="java.util.ArrayList" %>
5     <%@ include file="header.jsp" %>
6
7 <!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">
8 <html>
9 <head>
10 <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
11 <title>Insert title here</title>
12 </head>
13 <body>
14 <%
15         pageContext.setAttribute("name", "navin", PageContext.SESSION_SCOPE);
16
17 config..
```

18     equals(Object obj) : boolean - Object  
19     getClass() : Class<?> - Object  
20     getInitParameter(String arg0) : String - ServletC  
21     getInitParameterNames() : Enumeration<String>  
22     getServletContext() : ServletContext - ServletCo  
23     getServletName() : String - ServletConfig  
24     hashCode() : int - Object  
25     notify() : void - Object  
26     notifyAll() : void - Object  
27     toString() : String - Object  
28     wait() : void - Object

Press '^Space' to show JSP Proposals

Markers    Tomcat v8.0 S

Snippets    Console

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servlet - Java EE - DemoApp/WebContent/home.jsp - Eclipse

Project Explorer    web.xml    home.jsp    MyServlet.java    Apache Tomcat/8.0.52 - Error report

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8"
2     pageEncoding="UTF-8" import="java.sql.Statement,java.util.Random"%>
3
4
5 <!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">
6 <html>
7 <head>
8 <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
9 <title>Insert title here</title>
10 </head>
11 <body>
12 <%
13     try
14     {
15         int k = 9/0;
16     }
17     catch(Exception e)
18     {
19         out.println("Error " + e.getMessage());
20     }
21
22 %>
```

Markers   Properties   Servers   Data Source Explorer   Snippets   Console

Tomcat v8.0 Server at localhost [Apache Tomcat] /Library/Java/JavaVirtualMachines/jdk1.8.0\_131.jdk/Contents/Home/bin/java (31-May-2018, 3:04:42 PM)

```
at org.apache.catalina.connector.CoyoteAdapter.service(CoyoteAdapter.java:582)
at org.apache.coyote.http11.AbstractHttp11Processor.process(AbstractHttp11Processor.java:1156)
at org.apache.coyote.AbstractProtocol$AbstractConnectionHandler.process(AbstractProtocol.java:684)
at org.apache.tomcat.util.net.NioEndpoint$SocketProcessor.doRun(NioEndpoint.java:1539)
at org.apache.tomcat.util.net.NioEndpoint$SocketProcessor.run(NioEndpoint.java:1495)
at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1142)
at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:617)
at org.apache.tomcat.util.threads.TaskThread$WrappingRunnable.run(TaskThread.java:61)
at java.lang.Thread.run(Thread.java:748)
```

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servlet - Java EE - DemoApp/WebContent/home.jsp - Eclipse

Project Explorer    web.xml    home.jsp    MyServlet.java    Insert title here    error.jsp

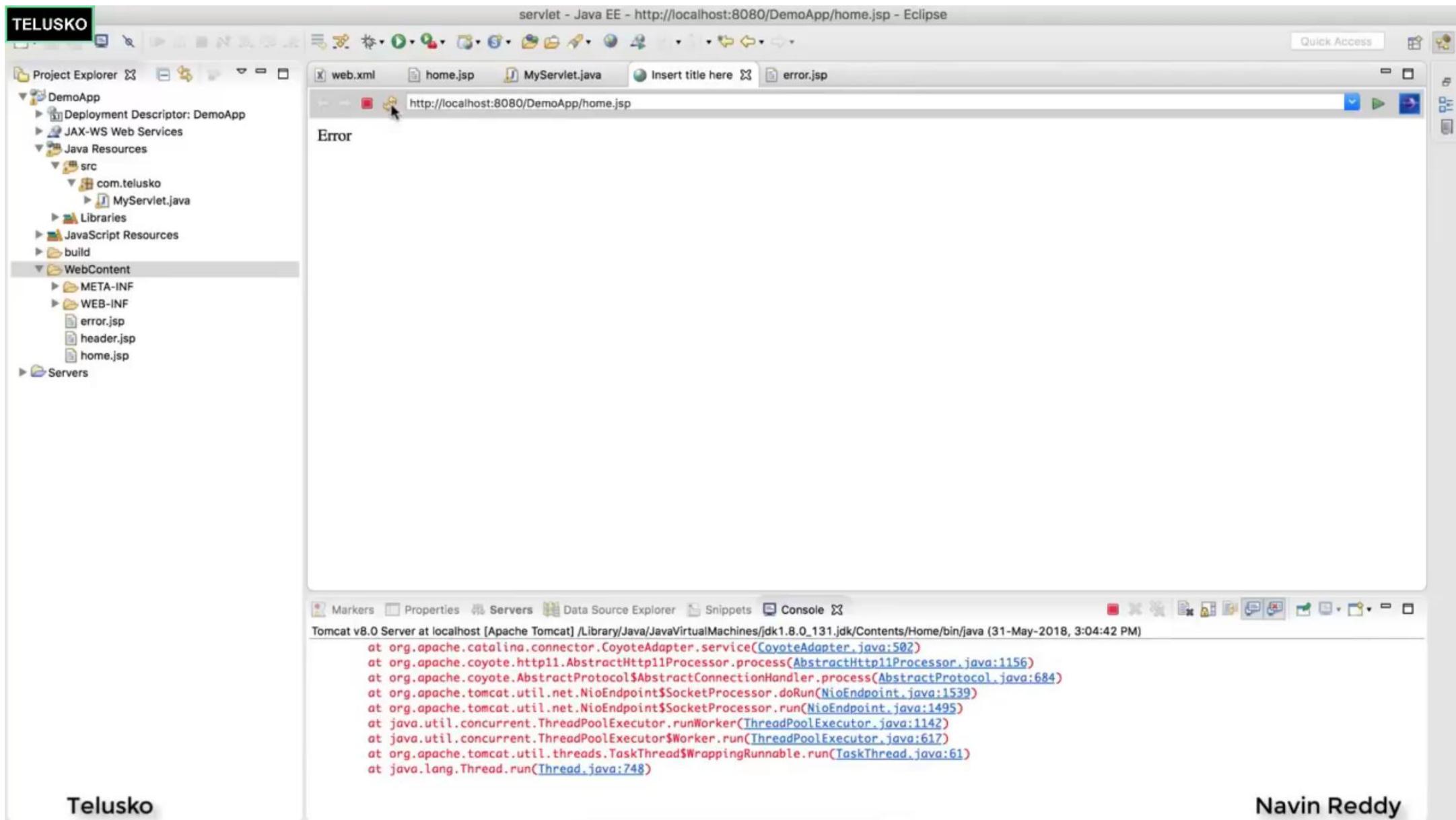
```
1 <%@ page language="java" contentType="text/html; charset=UTF-8"
2     pageEncoding="UTF-8" errorPage="error.jsp" %>
3 
4 
5 <!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">
6 <html>
7 <head>
8 <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
9 <title>Insert title</title>
10 </head>
11 <body>
12 <%
13 
14         int k = 9/0;
15 
16 
17 %>
18 </body>
19 </html>
```

Markers   Properties   Servers   Data Source Explorer   Snippets   Console

Tomcat v8.0 Server at localhost [Apache Tomcat] /Library/Java/JavaVirtualMachines/jdk1.8.0\_131.jdk/Contents/Home/bin/java (31-May-2018, 3:04:42 PM)

```
at org.apache.catalina.connector.CoyoteAdapter.service(CoyoteAdapter.java:582)
at org.apache.coyote.http11.AbstractHttp11Processor.process(AbstractHttp11Processor.java:1156)
at org.apache.coyote.AbstractProtocol$AbstractConnectionHandler.process(AbstractProtocol.java:684)
at org.apache.tomcat.util.net.NioEndpoint$SocketProcessor.doRun(NioEndpoint.java:1539)
at org.apache.tomcat.util.net.NioEndpoint$SocketProcessor.run(NioEndpoint.java:1495)
at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1142)
at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:617)
at org.apache.tomcat.util.threads.TaskThread$WrappingRunnable.run(TaskThread.java:61)
at java.lang.Thread.run(Thread.java:748)
```

Telusko      Navin Reddy



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servlet - Java EE - DemoApp/WebContent/error.jsp - Eclipse

Quick Access

Project Explorer

- DemoApp
  - Deployment Descriptor: DemoApp
  - JAX-WS Web Services
- Java Resources
  - src
    - com.telusko
    - MyServlet.java
  - Libraries
  - JavaScript Resources
  - build
- WebContent
  - META-INF
  - WEB-INF
  - error.jsp
  - header.jsp
  - home.jsp

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8"
2     pageEncoding="UTF-8" isErrorPage="true"%>
3 <!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.
4<html>
5<head>
6 <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
7 <title>Insert title here</title>
8 </head>
9<body bgcolor="red">
10<Error>
11<%= exception.getMessage() %>
12 </body>
13 </html>
```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v8.0 Server at localhost [Apache Tomcat] /Library/Java/JavaVirtualMachines/jdk1.8.0\_131.jdk/Contents/Home/bin/java (31-May-2018, 3:04:42 PM)

```
at org.apache.catalina.connector.CoyoteAdapter.service(CoyoteAdapter.java:502)
at org.apache.coyote.http11.AbstractHttp11Processor.process(AbstractHttp11Processor.java:1156)
at org.apache.coyote.AbstractProtocol$AbstractConnectionHandler.process(AbstractProtocol.java:684)
at org.apache.tomcat.util.net.NioEndpoint$SocketProcessor.doRun(NioEndpoint.java:1539)
at org.apache.tomcat.util.net.NioEndpoint$SocketProcessor.run(NioEndpoint.java:1495)
at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1142)
at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:617)
at org.apache.tomcat.util.threads.TaskThread$WrappingRunnable.run(TaskThread.java:61)
at java.lang.Thread.run(Thread.java:748)
```

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servlet - Java EE - http://localhost:8080/DemoApp/home.jsp - Eclipse

Quick Access

Project Explorer DemoApp Deployment Descriptor: DemoApp JAX-WS Web Services Java Resources src com.telusko MyServlet.java Libraries JavaScript Resources build WebContent META-INF WEB-INF error.jsp header.jsp home.jsp Servers

http://localhost:8080/DemoApp/home.jsp Insert title here error.jsp

Error / by zero

Tomcat v8.0 Server at localhost [Apache Tomcat] /Library/Java/JavaVirtualMachines/jdk1.8.0\_131.jdk/Contents/Home/bin/java (31-May-2018, 3:04:42 PM)

```
at org.apache.catalina.connector.CoyoteAdapter.service(CoyoteAdapter.java:502)
at org.apache.coyote.http11.AbstractHttp11Processor.process(AbstractHttp11Processor.java:1156)
at org.apache.coyote.AbstractProtocol$AbstractConnectionHandler.process(AbstractProtocol.java:684)
at org.apache.tomcat.util.net.NioEndpoint$SocketProcessor.doRun(NioEndpoint.java:1539)
at org.apache.tomcat.util.net.NioEndpoint$SocketProcessor.run(NioEndpoint.java:1495)
at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1142)
at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:617)
at org.apache.tomcat.util.threads.TaskThread$WrappingRunnable.run(TaskThread.java:61)
at java.lang.Thread.run(Thread.java:748)
```

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TELUSKO

1. Import package (java.sql.\* )

1 1. Import package (java.sql.\* )  
2 2. load and register driv|

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TELUSKO

1. Import package (java.sql.\* )

- 1 1. Import package (java.sql.\* )
- 2 2. load and register driver

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```
1
2 For PostGres :
3
4 Driver : org.postgresql.Driver
5 URL : jdbc:postgresql://localhost:5432/navin
6
7 Username : postgres
8 password : 0
9
10
11
12 For MySql:
13
14 Driver : com.mysql.jdbc.Driver
15 URL : jdbc:mysql://localhost:3306/navin
16
17 Username : root
18 password :
19
20
21
```

TELUSKO workspace - Java EE - DemoJSP/WebContent/profile.jsp - Eclipse Quick Access

Project Explorer

- Demo
- DemoApp
- DemoJSP
  - Deployment Descriptor: DemoJSP
  - JAX-WS Web Services
  - Java Resources
  - JavaScript Resources
  - build
  - WebContent
    - META-INF
    - WEB-INF
      - lib
  - profile.jsp
- HibDemo
- HiboDemo
- Servers

\*profile.jsp X Insert title here

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8"
2     pageEncoding="UTF-8"%>
3 <%@ page import="java.sql.*" %>
4 <!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">
5 <html>
6 <head>
7 <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
8 <title>Insert title here</title>
9 </head>
10<body>
11    101 <br>
12    Navin <br>
13    88 <br>
14
15<
16    String url = "jdbc:postgresql://localhost:5432/navin";
17    String username = "postgres";
18    String password = "0";
19    Class.forName("org.postgresql.Driver");
20    Connection con = DriverManager.getConnection(url,username,password);
21    Statement st = con.createStatement();
22    |
23
24
25
```

Markers Properties Servers Data Source Explorer Snippets Problems Console X Progress

Tomcat v8.0 Server at localhost [Apache Tomcat] /Library/Java/JavaVirtualMachines/jdk1.8.0\_121.jdk/Contents/Home/bin/java (05-Feb-2017, 12:20:16 PM)

Feb 05, 2017 12:24:57 PM org.apache.catalina.core.StandardContext reload  
INFO: Reloading Context with name [/DemoJSP] has started  
Feb 05, 2017 12:24:57 PM org.apache.jasper.servlet.TldScanner scanJars  
INFO: At least one JAR was scanned for TLDs yet contained no TLDs. Enable debug logging for this logger for a complete  
Feb 05, 2017 12:24:57 PM org.apache.catalina.core.StandardContext reload  
INFO: Reloading Context with name [/DemoJSP] is completed

TELUSKO

workspace - Java EE - DemoJSP/WebContent/profile.jsp - Eclipse

Quick Access

## Project Explorer

- > Demo
- > DemoApp
- > DemoJSP
  - > Deployment Descriptor: DemoJSP
  - > JAX-WS Web Services
  - > Java Resources
  - > JavaScript Resources
  - > build
  - > WebContent
    - > META-INF
    - > WEB-INF
      - > lib
        - postgresql-9.4.1208-jdbc42-atlassian-hosted.jar
  - > profile.jsp
- > HibDemo
- > HiboDemo
- > Servers

```
profile.jsp < Insert title here>
10= <body>
11    101 <br>
12    Navin <br>
13    88 <br>
14
15= <%>
16    String url = "jdbc:postgresql://localhost:5432/navin";
17    String username = "postgres";
18    String password = "0";
19    String sql = "select * from student where rollno=103";
20    Class.forName("org.postgresql.Driver");
21    Connection con = DriverManager.getConnection(url,username,password);
22    Statement st = con.createStatement();
23
24    ResultSet rs = st.executeQuery(sql);
25    rs.next();
26
27
28
29= %>
30
31  | Rollno : <%= rs.getString(1) %> <br>
32  | Name : <%= rs.getString(2) %> <br>
33  | Marks : <%= rs.getString(3) %>
```

Markers Properties Servers Data Source Explorer Snippets Problems Console Progress

Tomcat v8.0 Server at localhost [Apache Tomcat] /Library/Java/JavaVirtualMachines/jdk1.8.0\_121.jdk/Contents/Home/bin/java (05-Feb-2017, 12:20:16 PM)

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workspace - Java EE - http://localhost:8080/DemoJSP/profile.jsp - Eclipse

Quick Access

Project Explorer      Insert title here      Insert title here

profile.jsp      http://localhost:8080/DemoJSP/profile.jsp

101  
Navin  
88

Rollno : 103  
Name : 50  
Marks : Navin

profile.jsp  
HibDemo  
HiboDemo  
Servers

Markers Properties Servers Data Source Explorer Snippets Problems Console Progress

Tomcat v8.0 Server at localhost [Apache Tomcat] /Library/Java/JavaVirtualMachines/jdk1.8.0\_121.jdk/Contents/Home/bin/java (05-Feb-2017, 12:20:16 PM)

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