

## VALIDAÇÃO DO FORMULÁRIO



Project Explorer

Controller.java

index.html

agenda

Deployment Descriptor: ag

JAX-WS Web

Java Resource

build

src

main

java

webapp

ima

MET

WEB

age

inde

style

apiREST

demo

Hello

HelloJSP

Hello Tomcat

Servers

```
1 <!DOCTYPE html>
2 <html lang="pt-br">
3 <head>
```

New

Go Into

Show In

Alt+Shift+W

Show in Local Terminal

Copy

Ctrl+C

Copy Qualified Name

Paste

Ctrl+V

Delete

Delete

Build Path

Move...

Rename...

F2

Import...

Export...

Refresh

F5

Coverage As

Run As

Debug As

Profile As

Restore from Local History...

Project...

File

Folder

SQL File

CSS File

HTML File

JSP File

JavaScript File

Example...

Other...

Ctrl+N

Create a new HTML file

```
le>
/favicon.png">
tyle.css">
```

```
>
01">Acessar</a>
```

Data Source Explorer

Snippets

Console

## New HTML File

### HTML

Create a new HTML file.

Enter or select the parent folder:

agenda/src/main/webapp

- agenda
  - .settings
  - build
  - src
    - main
      - java
      - webapp
  - apirest
  - Hello
  - HelloJSP
  - Hello Tomcat
  - Servers

File name: novo.html

Advanced >>



< Back

Next >

Finish

Cancel



New HTML File



## Select HTML Template

Select a template as initial content in the HTML page.



☒ Use HTML Template

Templates:

| Name                              | Description            |
|-----------------------------------|------------------------|
| New HTML File (4.01 frameset)     | html 4.01 frameset     |
| New HTML File (4.01 strict)       | html 4.01 strict       |
| New HTML File (4.01 transitional) | html 4.01 transitional |
| New HTML File (5)                 | html 5                 |
| New XHTML File (1.0 frameset)     | xhtml 1.0 frameset     |
| New XHTML File (1.0 strict)       | xhtml 1.0 strict       |

Preview:

```
<!DOCTYPE html>
<html>
<head>
<meta charset="${encoding}">
<title>Insert title here</title>
```

Templates are 'New HTML' templates found in the [HTML Templates](#) preference page.

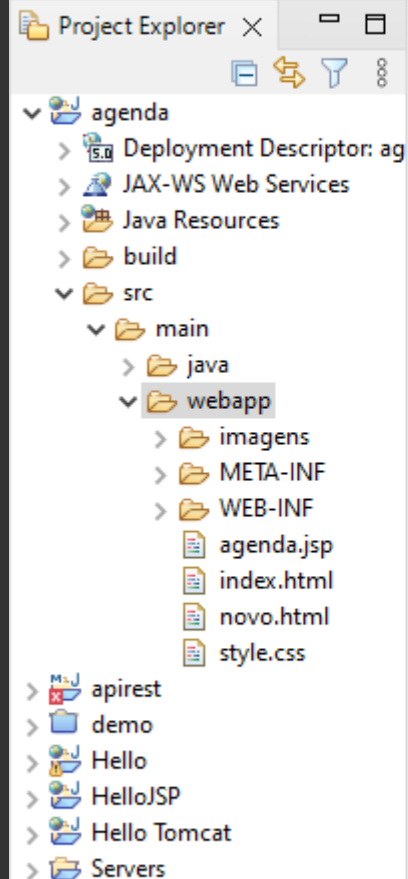


< Back

Next >

Finish

Cancel



```
Controller.java  index.html  *novo.html X
1 <!DOCTYPE html>
2 <html lang="pt-br">
3 <head>
4 <meta charset="utf-8">
5 <title>Agenda de contatos</title>
6 <link rel="icon" href="imagens/favicon.png">
7 <link rel="stylesheet" href="style.css">
8 </head>
9 <body>
10 <h1>Criar novo contato</h1>
11 <form>
12 <table>
13 <tr></tr>
14 <tr></tr>
15 <tr></tr>
16 </table>
17 </form>
```



Project Explorer

- agenda
  - Deployment Descriptor: ag
  - JAX-WS Web Services
  - Java Resources
  - build
  - src
    - main
      - java
        - webapp
          - imagens
          - META-INF
          - WEB-INF
            - agenda.jsp
            - index.html
            - novo.html
            - style.css
  - apirest
  - demo
  - Hello
  - HelloJSP
  - Hello Tomcat
  - Servers

Controller.java index.html \*novo.html

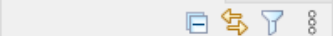
```
3 <head>
4 <meta charset="utf-8">
5 <title>Agenda de contatos</title>
6 <link rel="icon" href="imagens/favicon.png">
7 <link rel="stylesheet" href="style.css">
8 </head>
9 <body>
10 <h1>Criar novo contato</h1>
11 <form>
12 <table>
13 <tr></tr>
14 <tr></tr>
15 <tr></tr>
16 </table>
17 </form>
18 </body>
19 </html>
```

Markers Properties Servers Data Source Explorer Snippets Console

No consoles to display at this time.



Project Explorer



agenda

&gt; Deployment Descriptor: ag

&gt; JAX-WS Web Services

&gt; Java Resources

&gt; build

src

main

&gt; java

webapp

&gt; imagens

&gt; META-INF

&gt; WEB-INF

agenda.jsp

index.html

novo.html

style.css

&gt; apirest

&gt; demo

&gt; Hello

&gt; HelloJSP

&gt; Hello Tomcat

&gt; Servers

Controller.java

index.html

\*novo.html

```
3<head>
4 <meta charset="utf-8">
5 <title>Agenda de contatos</title>
6 <link rel="icon" href="imagens/favicon.png">
7 <link rel="stylesheet" href="style.css">
8 </head>
9<body>
10     <h1>Criar novo contato</h1>
11     <form name="frmContato" action="">
12         <table>
13             <tr>
14                 <td><input type="text" name="nome" placeholder="Nome"></td>
15             </tr>
16             <tr></tr>
17             <tr></tr>
18         </table>
19     </form>
```

Markers Properties Servers Data Source Explorer Snippets Console

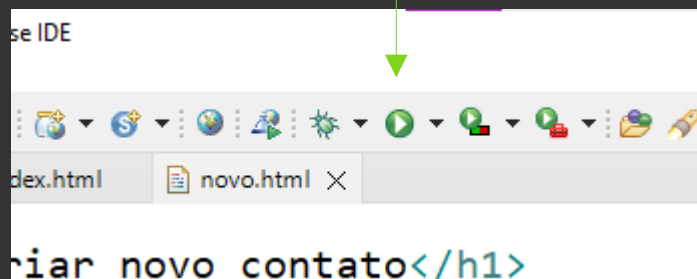
No consoles to display at this time.


- agenda
  - Deployment Descriptor: ag
  - JAX-WS Web Services
  - Java Resources
  - build
  - src
    - main
      - java
      - webapp
        - imagens
        - META-INF
        - WEB-INF
        - agenda.jsp
        - index.html
        - novo.html
        - style.css
  - apirest
  - demo
  - Hello
  - HelloJSP
  - Hello Tomcat
  - Servers

```
9 <body>
10     <h1>Criar novo contato</h1>
11     <form name="frmContato" action="">
12         <table>
13             <tr>
14                 <td><input type="text" name="nome" placeholder="Nome"></td>
15             </tr>
16             <tr>
17                 <td><input type="text" name="fone" placeholder="Fone"></td>
18             </tr>
19             <tr>
20                 <td><input type="text" name="email" placeholder="Email"></td>
21             </tr>
22         </table>
23         <input type="button" value="Adicionar">
24     </form>
25 </body>
```




Salve tudo e execute



 Run On Server

Run On Server

Select which server to use



How do you want to select the server?

☒ Choose an existing server

☐ Manually define a new server

Select the server that you want to use:

type filter text

| Server                           | State   |
|----------------------------------|---------|
| ▼ localhost                      |         |
| Tomcat v10.0 Server at localhost | Started |

Apache Tomcat v10.0 supports J2EE 1.2, 1.3, 1.4, and Java EE 5, 6, 7, 8 and Jakarta EE 9 Web modules.

Columns...

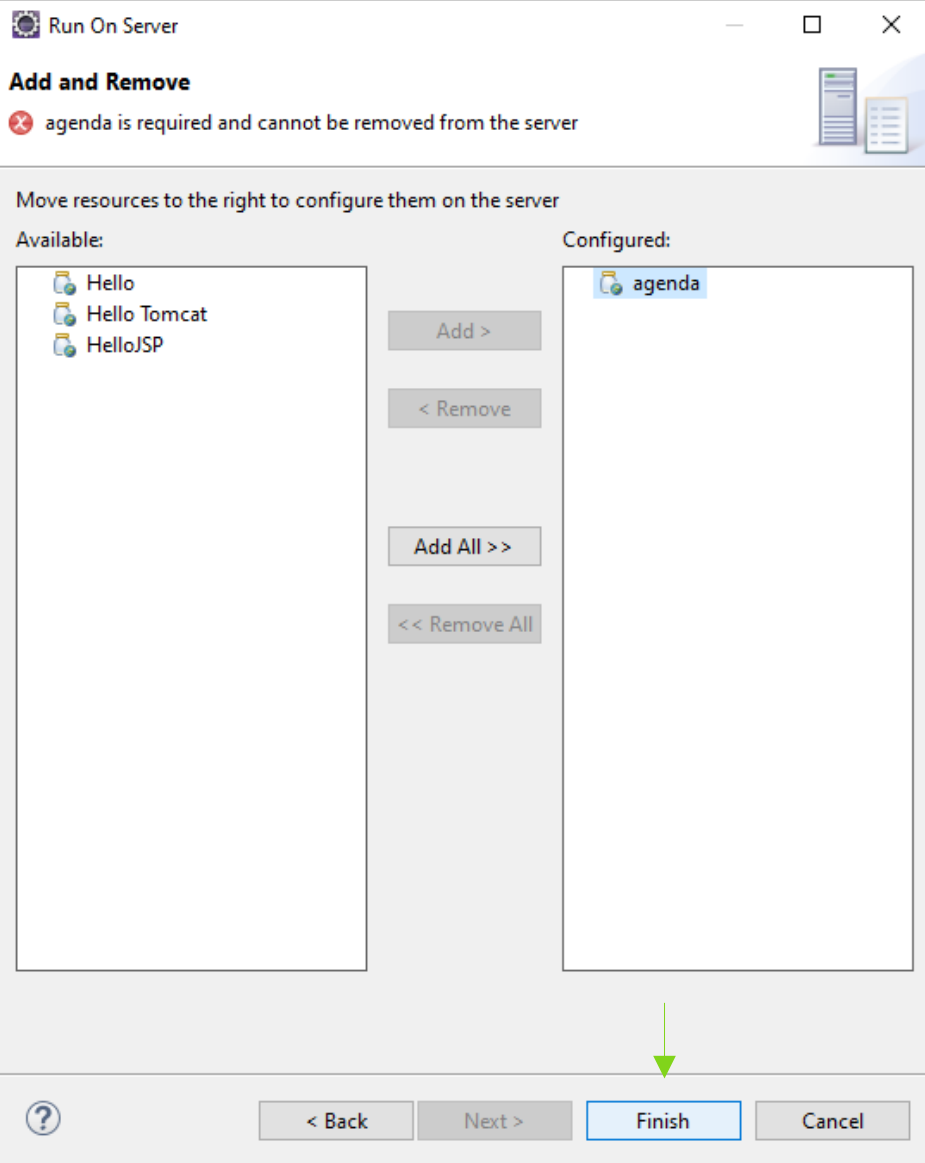
☐ Always use this server when running this project

 < Back

Next >

Finish

Cancel





Project Explorer

agenda

&gt; Deployment Descriptor: ag

&gt; JAX-WS Web Services

&gt; Java Resources

&gt; build

&gt; src

&gt; main

&gt; java

&gt; webapp

&gt; imagens

&gt; META-INF

&gt; WEB-INF

agenda.jsp

index.html

novo.html

style.css

&gt; apirest

&gt; demo

&gt; Hello

&gt; HelloJSP

&gt; Hello Tomcat

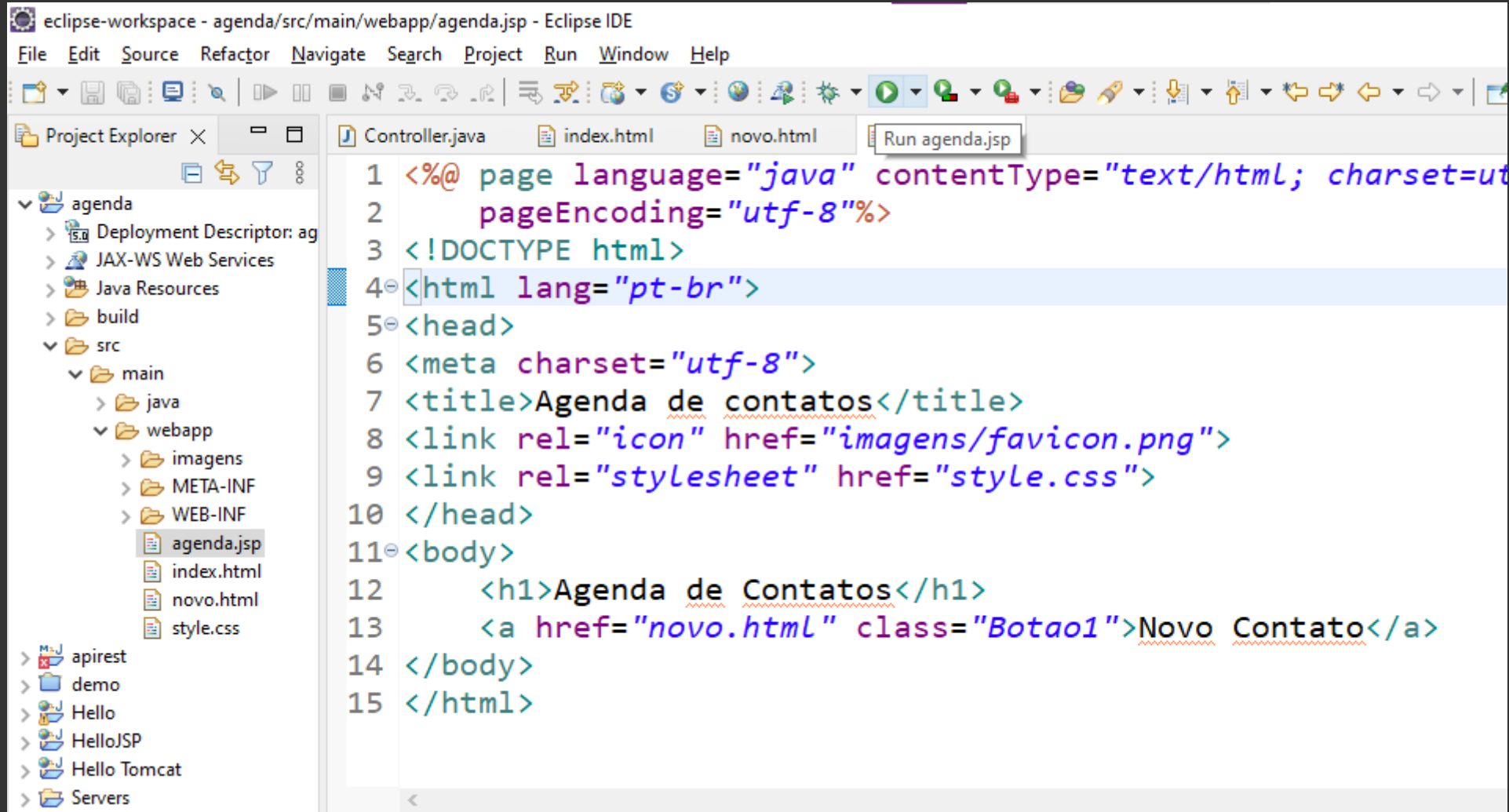
&gt; Servers

Controller.java index.html novo.html agenda.jsp X

```
1 <%@ page language="java" contentType="text/html; charset=utf-8"
2     pageEncoding="utf-8"%>
3 <!DOCTYPE html>
4 <html lang="pt-br">
5 <head>
6 <meta charset="utf-8">
7 <title>Agenda de contatos</title>
8 <link rel="icon" href="imagens/favicon.png">
9 <link rel="stylesheet" href="style.css">
10 </head>
11 <body>
12     <h1>Agenda de Contatos</h1>
13     <a href="novo.html" class="Botao1">Novo Contato</a>
14 </body>
15 </html>
```

Markers Properties Servers X Data Source Explorer Snippets Console

Tomcat v10.0 Server at localhost [Started, Synchronized]



Salve tudo e execute apartir do agenda.jsp

**Run On Server**

Select which server to use



How do you want to select the server?

- ☒ Choose an existing server
- ☐ Manually define a new server

Select the server that you want to use:

| Server                           | State   |
|----------------------------------|---------|
| ▼ localhost                      |         |
| Tomcat v10.0 Server at localhost | Started |

Apache Tomcat v10.0 supports J2EE 1.2, 1.3, 1.4, and Java EE 5, 6, 7, 8 and Jakarta EE 9 Web modules.

[Columns...](#)

☐ Always use this server when running this project




&lt; Back

Next &gt;

Finish

Cancel




## Add and Remove

 agenda is required and cannot be removed from the server



Move resources to the right to configure them on the server

Available:

 Hello  
 Hello Tomcat  
 HelloJSP


Add >

< Remove

Add All >>

<< Remove All

Configured:

 agenda



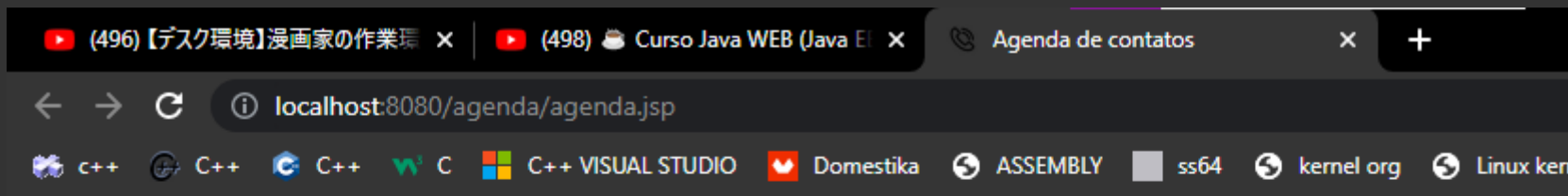
< Back

Next >

Finish

Cancel

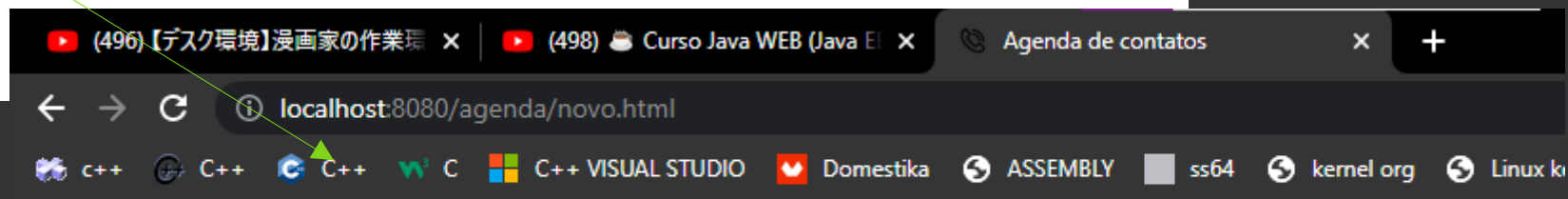




## Agenda de Contatos

Novo Contato

Quando clicarmos no agenda  
seremos redirecionados para o  
novo



## Criar novo contato

|           |
|-----------|
| Nome      |
| Fone      |
| Email     |
| Adicionar |

The screenshot shows an IDE window with the following tabs: Controller.java, index.html, novo.html, and agenda.jsp. The code in the editor is as follows:

```
9 <body>
10   <h1>Criar novo contato</h1>
11   <form name="frmContato" action="">
12     <table>
13       <tr>
14         <td><input type="text" name="nome" placeholder="Nome" class="Caixa1"></td>
15       </tr>
16       <tr>
17         <td><input type="text" name="fone" placeholder="Fone"></td>
18       </tr>
19       <tr>
20         <td><input type="text" name="email" placeholder="Email" class="Caixa1"></td>
21       </tr>
22     </table>
23     <input type="button" value="Adicionar" class="Botao1">
24   </form>
25 </body>
```

Red arrows indicate the following:

- An arrow points to the `class="Caixa1"` attribute in the `nome` input field (line 14).
- An arrow points to the `class="Caixa1"` attribute in the `email` input field (line 20).
- An arrow points to the `class="Botao1"` attribute in the `Adicionar` button (line 23).

The bottom of the IDE shows the following tabs: Markers, Properties, Servers, Data Source Explorer, Snippets, and Console. The console shows the following output:

```
Tomcat v10.0 Server at localhost [Started, Synchronized]
agenda [Synchronized]
```

Adicione a class para formatar os campos



Salve e execute o button já esta formatado

Project Explorer

agenda

- Deployment Descriptor: ag
- JAX-WS Web Services
- Java Resources
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      - agenda.jsp
      - index.html
      - novo.html
      - style.css
- apirest
- demo
- Hello
- HelloJSP
- Hello Tomcat
- Servers

Controller.java

index.html

novo.html

agenda.jsp

style.css

```
8 }
9
10 h1 {
11     color: #66bbff;
12 }
13
14 .Botao1 {
15     text-decoration: none;
16     background-color: #66bbff;
17     padding: 5px 10px 5px 10px;
18     color: #fff;
19     font-size: 1.2em;
20     font-weight: 700;
21     border-radius: 5px;
22     border: 0;
23     cursor: pointer;
24 }
```

Faça as alterações  
salve e execute



Markers



Properties



Servers



Data Source Explorer



Snippets



Console



Tomcat v10.0 Server at localhost [Started, Synchronized]



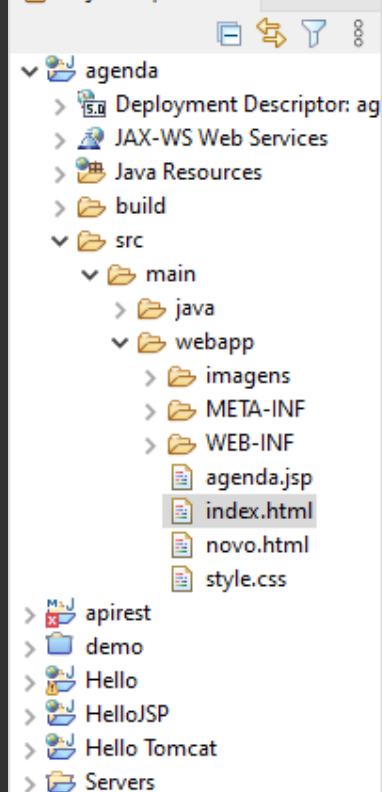
agenda [Synchronized]



Salve tudo e atualize



Project Explorer



Controller.java index.html novo.html agenda.jsp

\*style.css

```
14 .Botao1 {
15     text-decoration: none;
16     background-color: #66bbff;
17     padding: 5px 10px 5px 10px;
18     color: #fff;
19     font-size: 1.2em;
20     font-weight: 700;
21     border-radius: 5px;
22     border: 0;
23     cursor: pointer;
24 }
25
26 .Caixa1 {
27     width: 320px;
28     padding: 5px;
29     margin-bottom: 10px;
30 }
```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v10.0 Server at localhost [Stopped, Synchronized]

agenda [Synchronized]

Salve tudo e atualize



Project Explorer

agenda

- Deployment Descriptor: ag
- JAX-WS Web Services
- Java Resources
- build
- src
  - main
    - java
    - webapp
      - imagens
      - META-INF
      - WEB-INF
      - agenda.jsp
      - index.html
      - novo.html
      - style.css
- apirest
- demo
- Hello
- HelloJSP
- Hello Tomcat
- Servers

```
Controller.java index.html novo.html agenda.jsp style.css
16 background-color: #66bbff;
17 padding: 5px 10px 5px 10px;
18 color: #fff;
19 font-size: 1.2em;
20 font-weight: 700;
21 border-radius: 5px;
22 border: 0;
23 cursor: pointer;
24 }
25
26 .Caixa1 {
27     width: 320px;
28     padding: 5px;
29     margin-bottom: 10px;
30     border: 1px solid #66bbff;
31     border-radius: 5px;
32 }
```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v10.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jdk-11.0.11\bin\javaw.exe (11 de jul. de 2022 17:32:21) [pid: 101

INFO: Starting ProtocolHandler ["http-nio-8080"]

jul 11, 2022 5:32:26 PM org.apache.catalina.startup.Catalina

INFO: Server startup in [2886] milliseconds

/main



Controller.java index.html novo.html X agenda.jsp style.css

```

11 <form name="frmContato" action="">
12     <table>
13         <tr>
14             <td><input type="text" name="nome" placeholder="Nome" class="Caixa1"></td>
15         </tr>
16         <tr>
17             <td><input type="text" name="fone" placeholder="Fone" class="Caixa2"></td>
18         </tr>
19         <tr>
20             <td><input type="text" name="email" placeholder="Email" class="Caixa1"></td>
21         </tr>
22     </table>
23     <input type="button" value="Adicionar" class="Botao1">
24 </form>
25 <body>
26 <html>
    
```

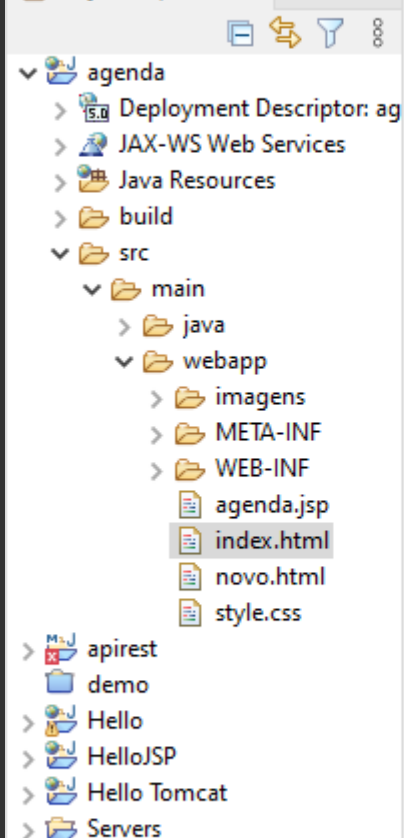
Markers Properties Servers X Data Source Explorer Snippets Console

> Tomcat v10.0 Server at localhost [Stopped, Republish]





Project Explorer



Controller.java index.html novo.html agenda.jsp style.css

```
23     cursor: pointer;
24 }
25
26 .Caixa1 {
27     width: 320px;
28     padding: 5px;
29     margin-bottom: 10px;
30     border: 1px solid #66bbff;
31     border-radius: 5px;
32 }
33
34 .Caixa2 {
35     padding: 5px;
36     margin-bottom: 10px;
37     border: 1px solid #66bbff;
38     border-radius: 5px;
39 }
```

Markers Properties Servers Data Source Explorer Snippets Console

&gt; Tomcat v10.0 Server at localhost [Stopped, Republish]



Project Explorer X

- agenda
  - Deployment Descriptor: ag
  - JAX-WS Web
  - Java Resource
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      - java
        - webapp
          - ima
          - ME
          - WE
          - age
          - ind
          - nov
          - styl

Controller.java index.html novo.html X

```
11 <form name="frmContato" action="">
12   <table>
13     <tr>
```

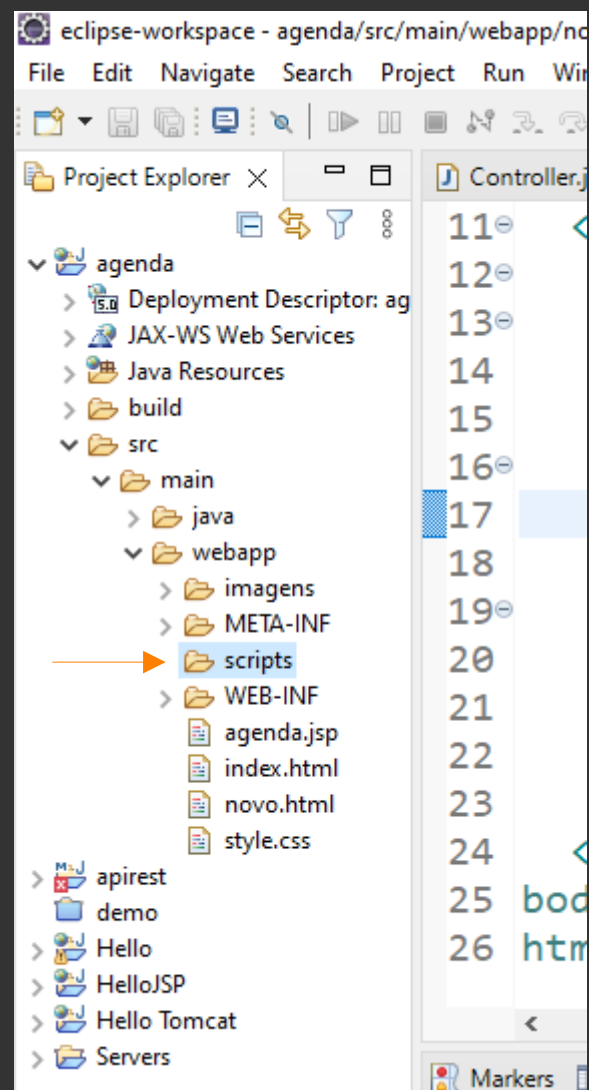
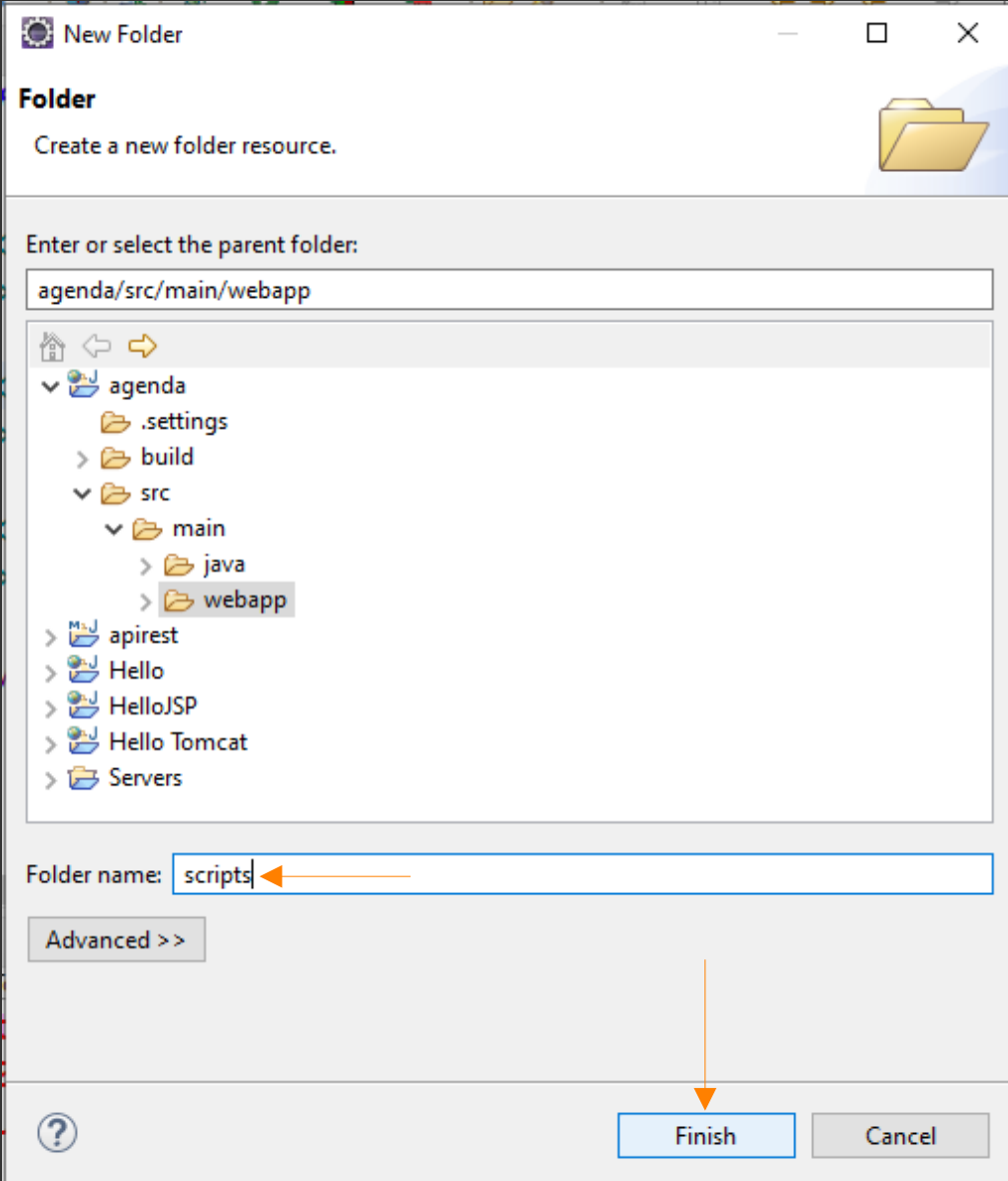
New  
Go Into  
Show In Alt+Shift+W  
Show in Local Terminal  
Copy Ctrl+C  
Copy Qualified Name  
Paste Ctrl+V  
Delete Delete  
Build Path  
Move...  
Rename... F2  
Import...  
Export...  
Refresh F5  
Coverage As  
Run As  
Debug As  
Profile As  
Restore from Local History...  
Team

Project...  
File  
Folder  
SQL File  
CSS File  
HTML File  
JSP File  
JavaScript File  
Example...  
Other... Ctrl+N

```
"text" name="nome" placeholder="Nome" class="Caixa" type="text">
"text" name="fone" placeholder="Fone" class="Caixa" type="text">
"text" name="email" placeholder="Email" class="Caixa" type="text">
<input type="button" value="Adicionar" class="Botao1">
```

Data Source Explorer Snippets Console X

```
tomcat [pid: 8216]
ProtocolHandler ["http-nio-8080"]
00 PM org.apache.catalina.startup.Catalina start
up in [2871] milliseconds
```





Project Explorer

agenda

- Deployment Descriptor: ag
- JAX-WS Web S
- Java Resources
- build
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    - webapp
      - image
      - META
      - script
      - WEB-
      - agenc
      - index
      - novo.
      - style.

- apirest
- demo
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- Hello Tomcat
- Servers

Controller.java

index.html

novo.html

```
11 <form name="frmContato" action="">
12   <table>
13     <tr>
```

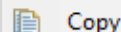
New

Go Into

Show In

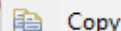
Alt+Shift+W

Show in Local Terminal

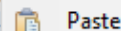


Copy

Ctrl+C

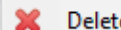


Copy Qualified Name



Paste

Ctrl+V



Delete

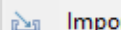
Delete

Build Path

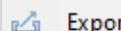
Move...

Rename...

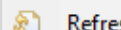
F2



Import...

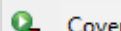


Export...

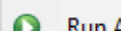


Refresh

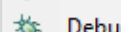
F5



Coverage As



Run As



Debug As

Profile As

Restore from Local History...

Project...

File

Folder

SQL File

CSS File

HTML File

JSP File

JavaScript File

Example...

Other...

Ctrl+N

New

```
"text" name="nome" pla
```

```
"text" name="fone" pla
```

```
"text" name="email" p
```

```
ue="Adicionar" class=
```

Data Source Explorer

Snippets

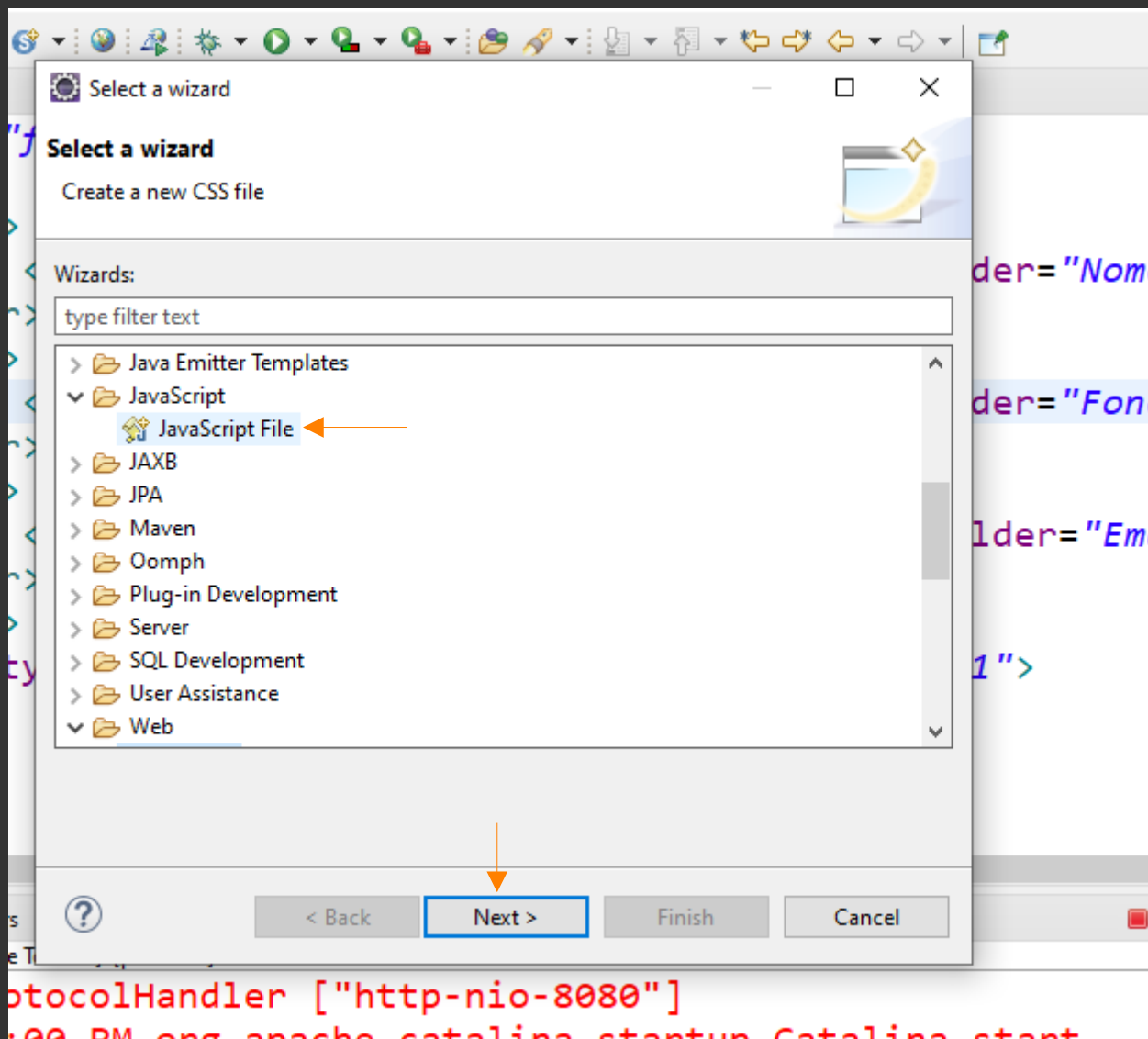
Console

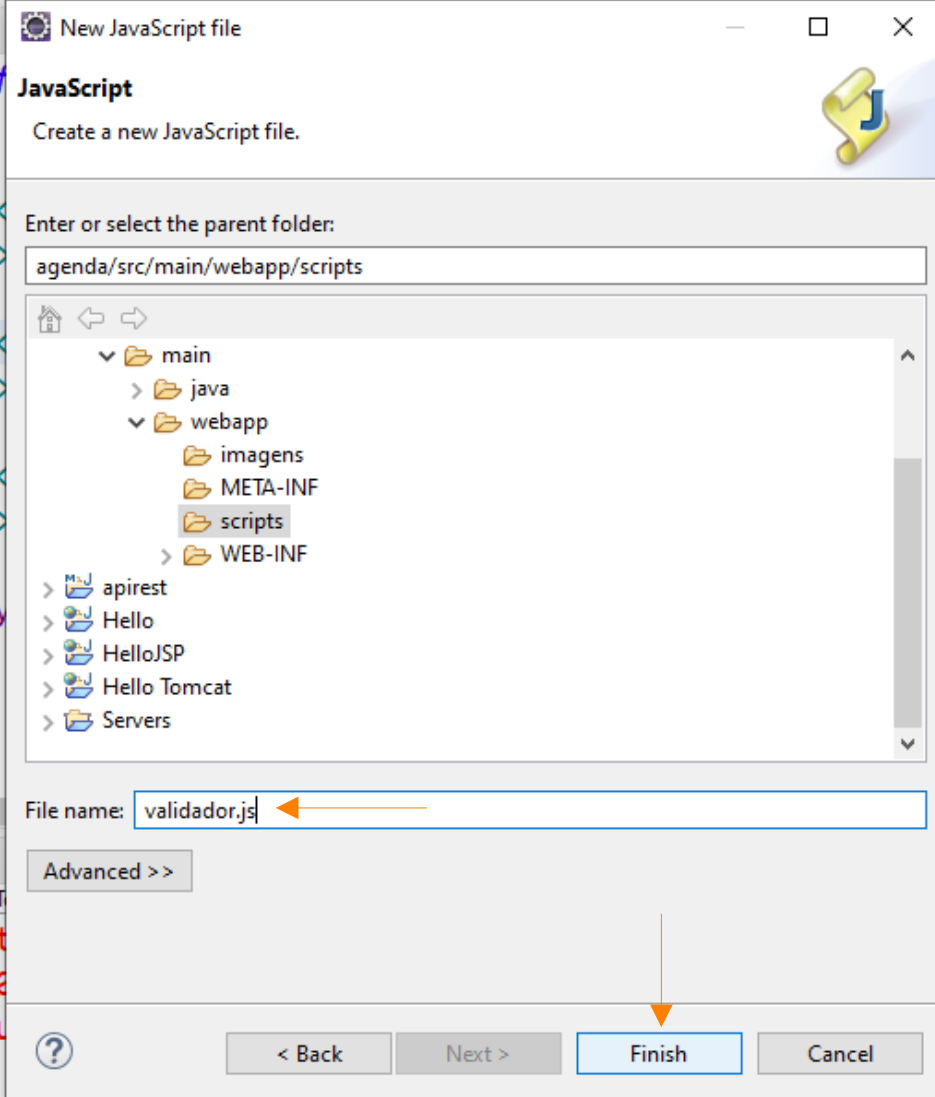
ncat] [pid: 8216]

```
ocolHandler ["http-nio-8080"]
```

```
0 PM org.apache.catalina.startup.Cat
```

```
in [2871] milliseconds
```







Project Explorer

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        - META-INF
        - scripts
          - validador.js
        - WEB-INF
        - agenda.jsp
        - index.html
        - novo.html
        - style.css
  - apiREST
  - demo
  - Hello
  - HelloJSP
  - Hello Tomcat
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Controller.java

index.html

novo.html

validador.js

```
1 /**
2  *
3  */
```



Markers



Properties



Servers



Data Source Explorer



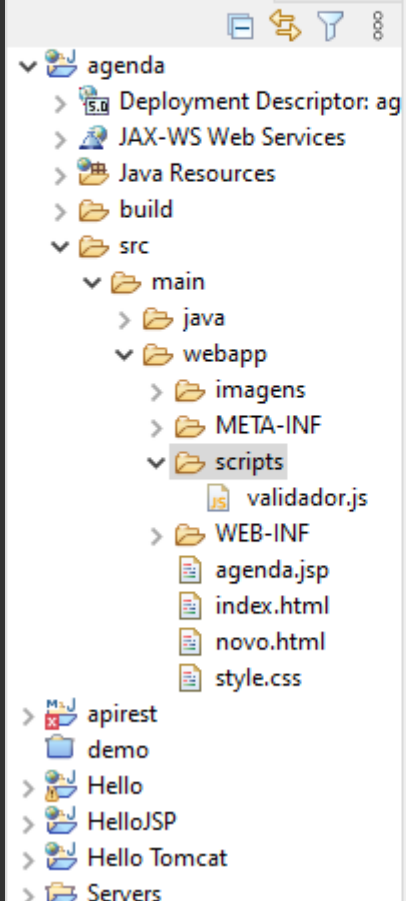
Snippets



Console



Project Explorer



Controller.java index.html novo.html validador.js

```
1 /**
2  *   Validação de formulario
3  *   @author cristiano oliveira
4  */
5
6 function validar() {
7
8 }
```



Project Explorer

agenda

Deployment Descriptor: ag

JAX-WS Web Services

Java Resources

build

src

main

java

webapp

imagens

META-INF

scripts

validador.js

WEB-INF

agenda.jsp

index.html

novo.html

style.css

apiress

demo

Hello

HelloJSP

Hello Tomcat

Servers

Controller.java

index.html

novo.html

validador.js

```
11 <form name="frmContato" action="">
12   <table>
13     <tr>
14       <td><input type="text" name="nome" placeholder="Nome" class="Caixa1"></td>
15     </tr>
16     <tr>
17       <td><input type="text" name="fone" placeholder="Fone" class="Caixa2"></td>
18     </tr>
19     <tr>
20       <td><input type="text" name="email" placeholder="Email" class="Caixa1"></td>
21     </tr>
22   </table>
23   <input type="button" value="Adicionar" class="Botao1" onclick="validar()">
24 </form>
25 <script src="scripts/validador.js"></script>
26 </body>
27 </html>
```

Markers Properties Servers Data Source Explorer Snippets Console

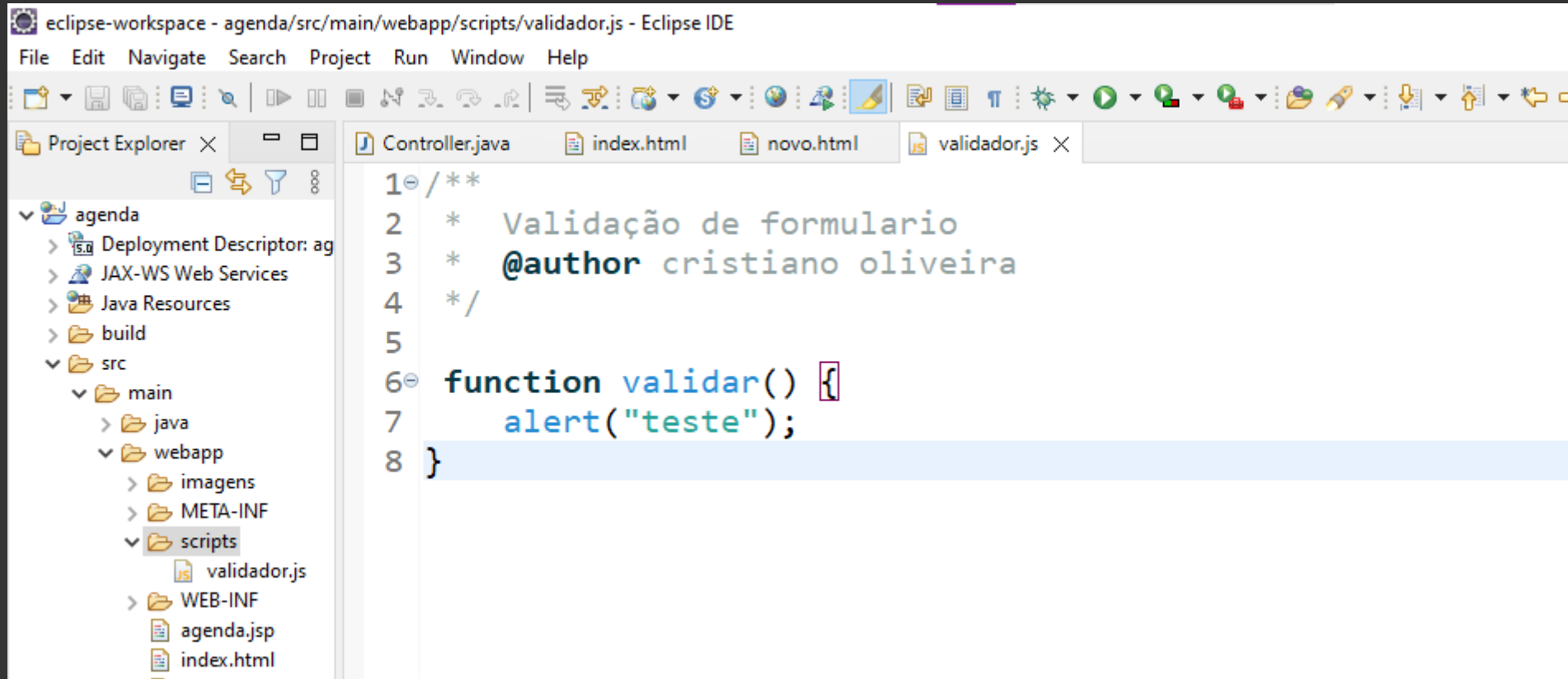
Tomcat v10.0 Server at localhost [Apache Tomcat] [pid: 8216]

INFO: Starting ProtocolHandler ["http-nio-8080"]

jul 11, 2022 5:48:00 PM org.apache.catalina.startup.Catalina start

INFO: Server startup in [2871] milliseconds

/main



Salve tudo e execute

localhost:8080 diz

teste

OK

## Criar novo contato

Adicionar



Project Explorer

- agenda
  - Deployment Descriptor: ag
  - JAX-WS Web Services
  - Java Resources
  - build
  - src
    - main
      - java
      - webapp
        - imagens
        - META-INF
        - scripts
          - validador.js
        - WEB-INF
          - agenda.jsp
          - index.html
          - novo.html
          - style.css
  - apiREST
  - demo
  - Hello
  - HelloJSP
  - Hello Tomcat
  - Servers

Controller.java

index.html

novo.html

\*validador.js

```
4  */
5
6  function validar() {
7      //alert("teste");
8      let nome = frmContato.nome.value;
9      let fone = frmContato.fone.value;
10     if(nome === ""){
11         alert("Preencha o campo nome");
12         frmContato.nome.focus();
13         return false;
14     }else if(fone === ""){
15         alert("Preencha o campo fone");
16         frmContato.fone.focus();
17     }else {
18         documents.forms["frmContato"].submit();
19     }
20 }
```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v10.0 Server at localhost [Apache Tomcat] [pid: 8216]

INFO: Starting ProtocolHandler ["http-nio-8080"]

jul 11, 2022 5:48:00 PM org.apache.catalina.startup.Catalina start

INFO: Server startup in [2871] milliseconds

/main

# Salve tudo e atualize

