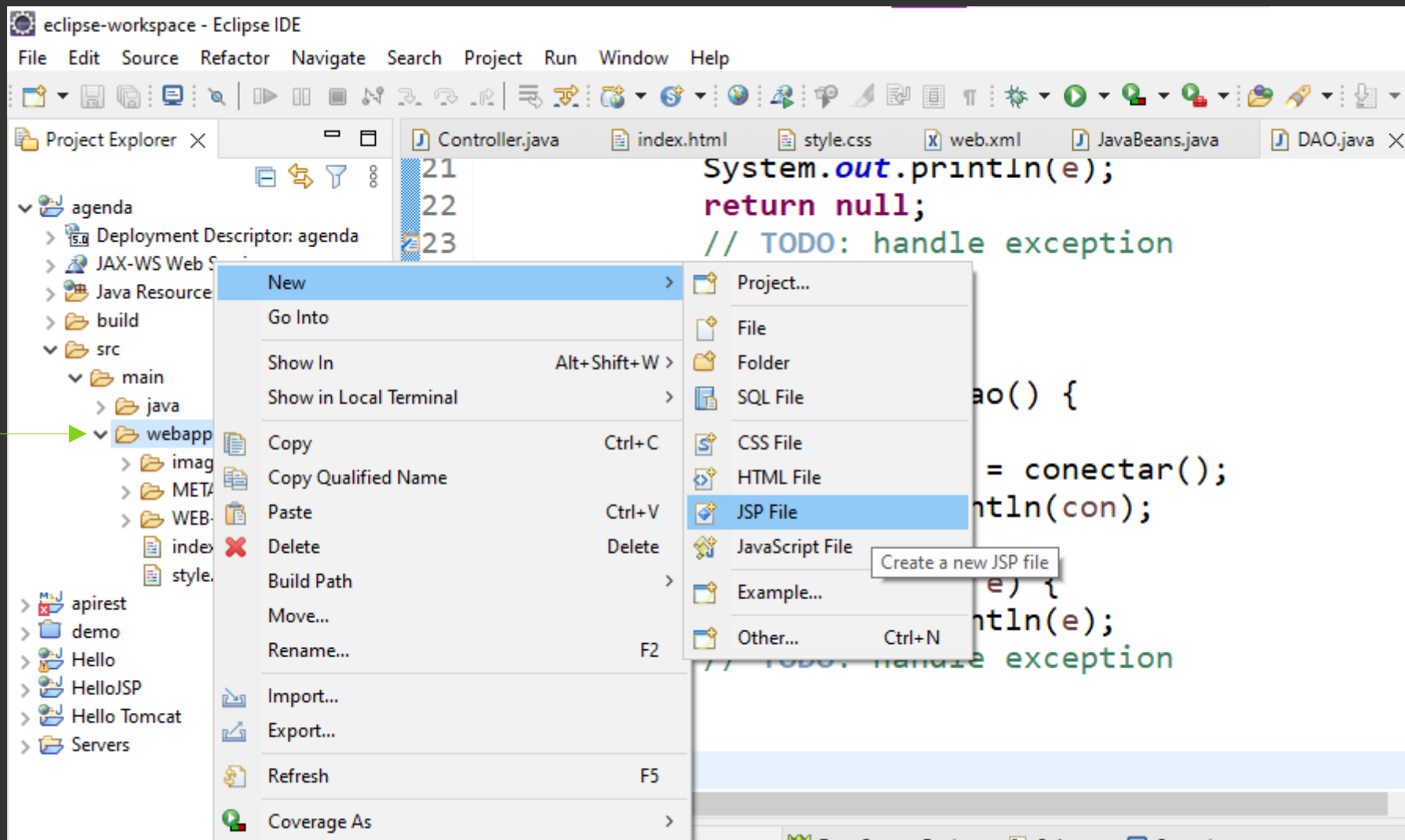
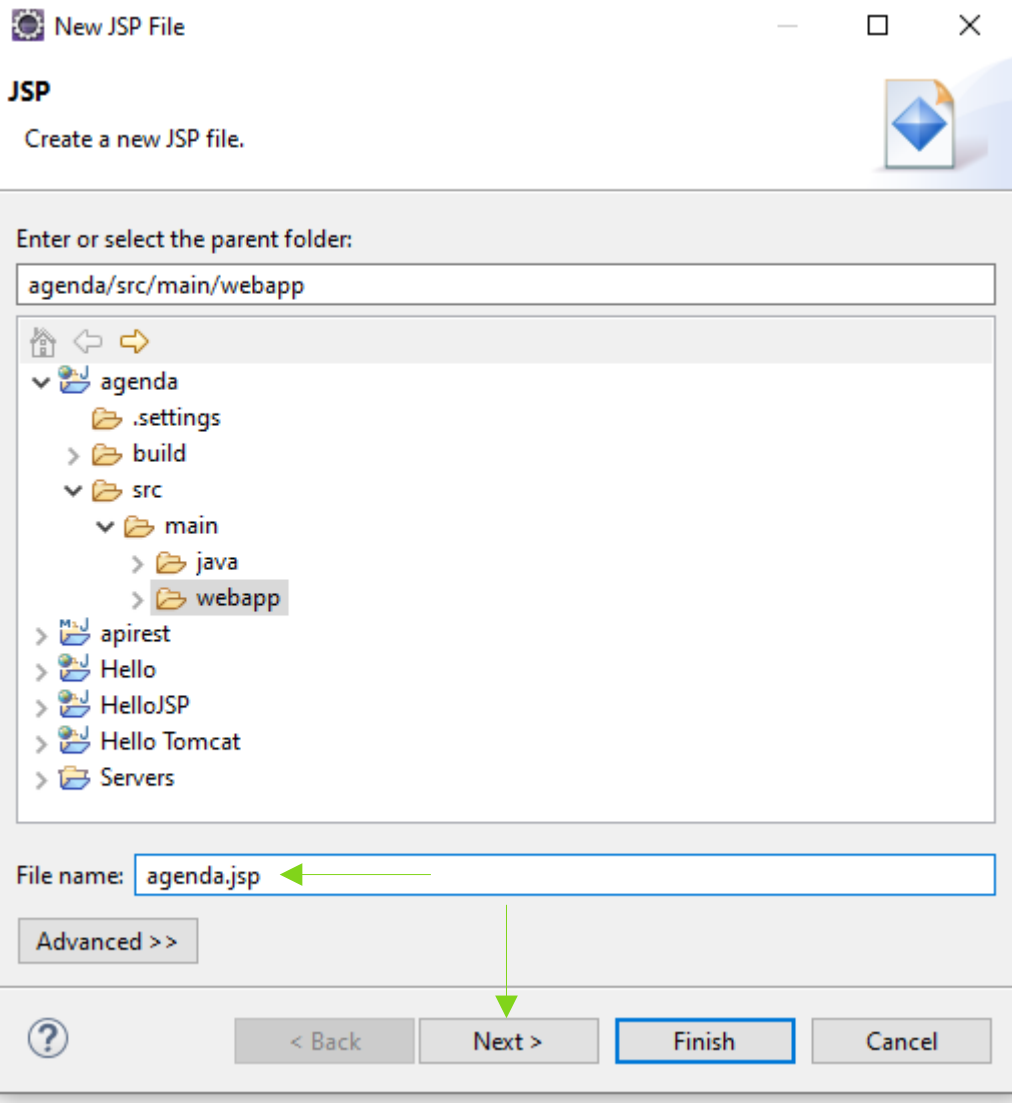


CONTROLLER REQUISISÕES E RESPOSTAS

Criação do documento JSP





New JSP File

Select JSP Template

Select a template as initial content in the JSP page.

☒ Use JSP Template

Templates:

Name	Description
New JavaServer Faces (JSF) Page (xhtml)	JSP with xhtml markup and default view...
New JavaServer Faces (JSF) Page (xhtml, ...	JSP with xhtml markup, xml style syntax...
New JSP File (html 4.01)	JSP with html 4.01 markup
New JSP File (html 5)	JSP with html 5 markup
New JSP File (xhtml)	JSP with xhtml markup
New JSP File (xhtml, xml syntax)	JSP with xhtml markup and xml style sy...

Preview:

```
<%@ page language="java" contentType="text/html"
    pageEncoding="${encoding}" %>
<!DOCTYPE html>
<html>
<head>
```

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



< Back

Next >

Finish

Cancel

eclipse-workspace - agenda/src/main/webapp/agenda.jsp - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help



Project Explorer

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

Controller.java

index.html

style.css

web.xml

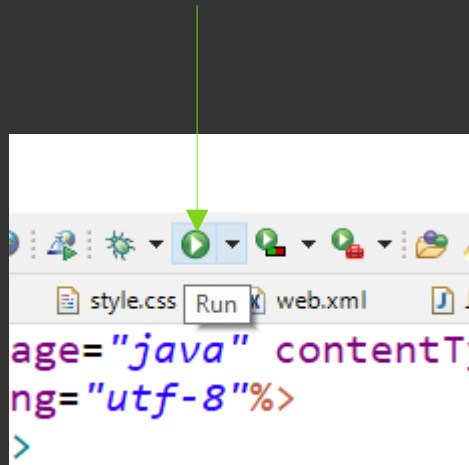
JavaBeans.java

DAO.java

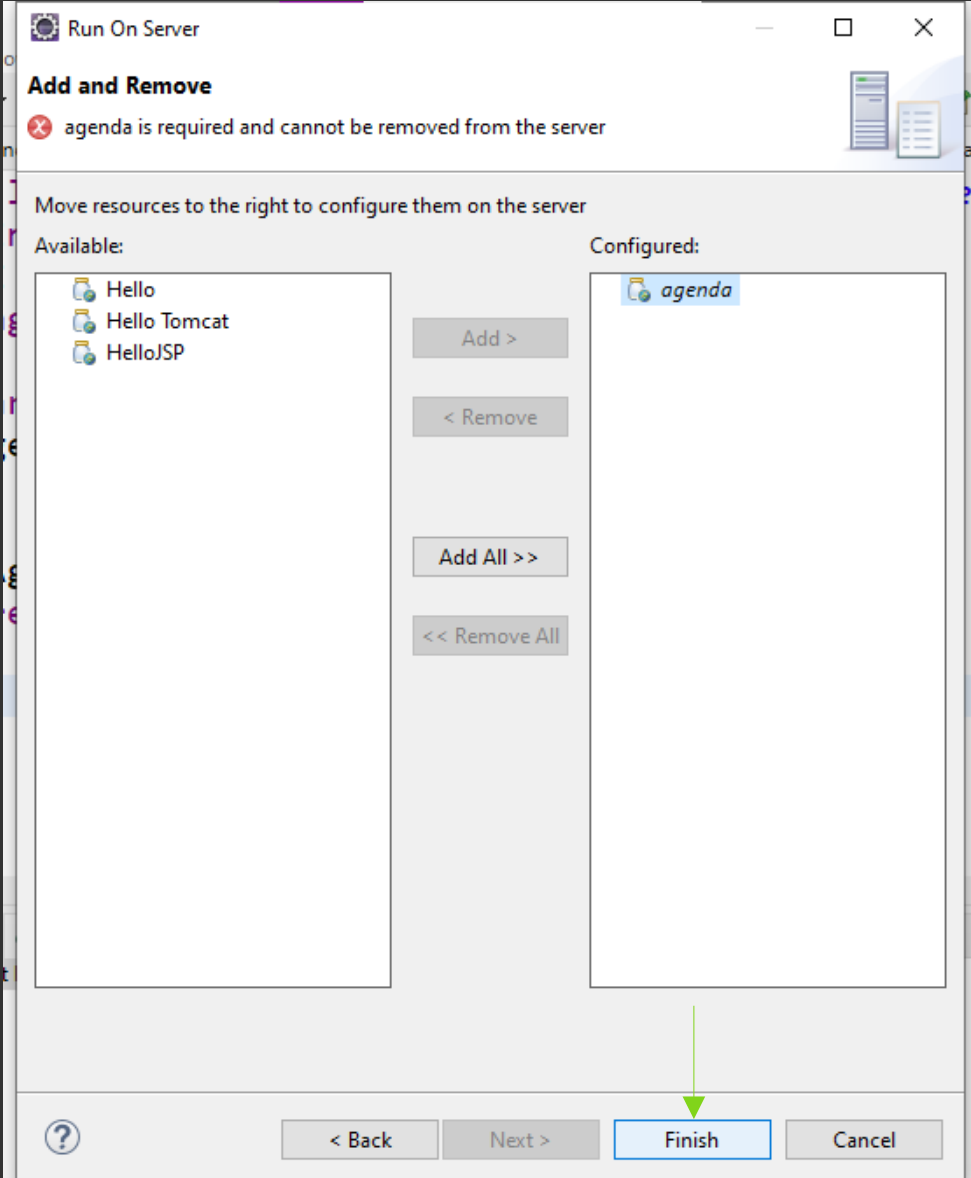
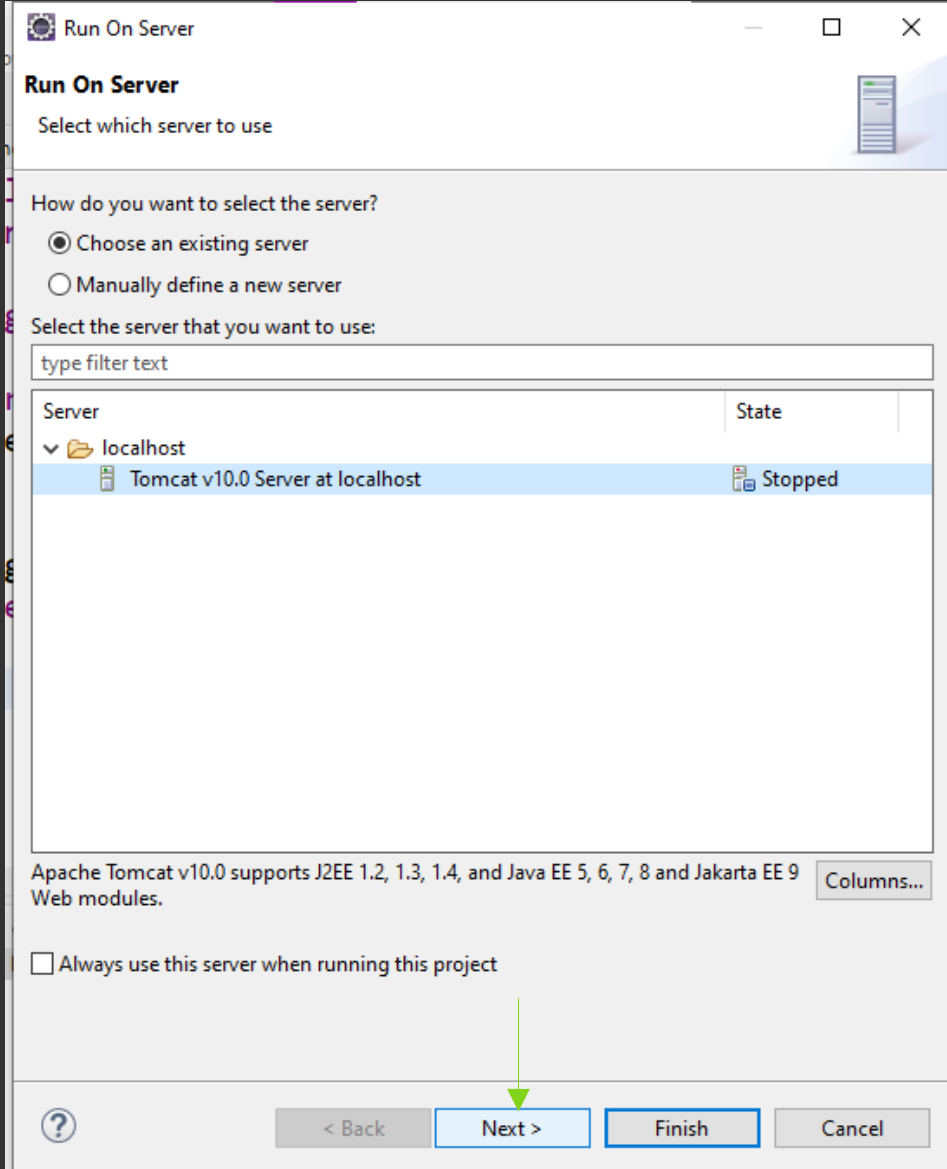
agenda.jsp

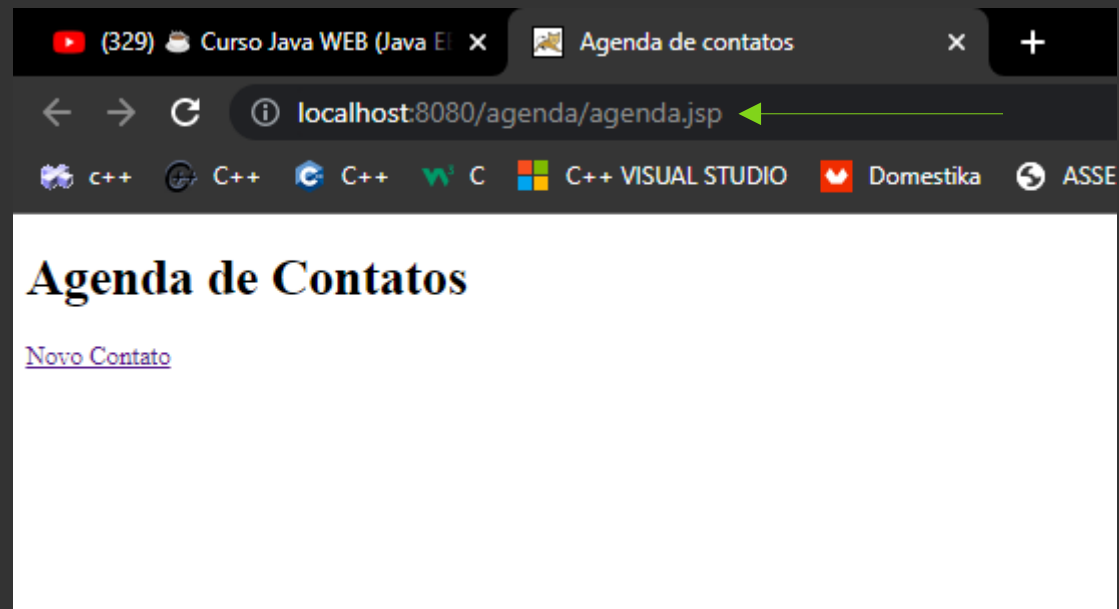
```
1 <%@ page language="java" contentType="text/html; charset=utf-8"
2     pageEncoding="utf-8"%>
3 <!DOCTYPE html>
4 <html lang="pt-br">
5 <head>
6 <meta charset="utf-8">
7 <title>Agenda de contatos</title>
8 </head>
9 <body>
10     <h1>Agenda de Contatos</h1>
11     <a href="">Novo Contato</a>
12 </body>
13 </html>
```

Faça as alterações



Salve tudo e execute para testar





eclipse-workspace - agenda/src/main/webapp/agenda.jsp - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer

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

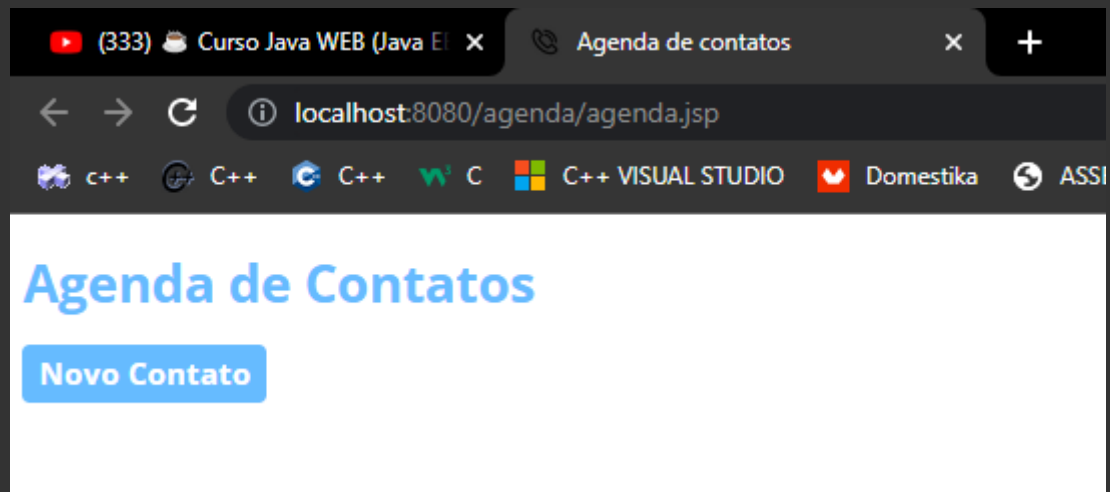
Controller.java index.html style.css web.xml JavaBeans.java DAO.java agenda.jsp

```
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="" class="Botao1">Novo Contato</a>
14 </body>
15 </html>
```

Markers Properties Servers Data Source Explorer Snippets Console

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

Faça as alterações salve tudo e execute



15 </html>

Markers Properties Servers Data Source Explorer Snippets Console

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

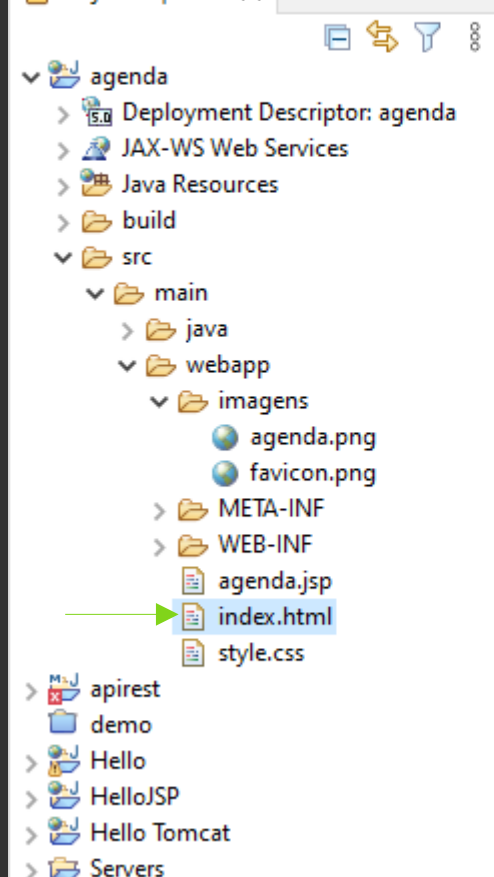
Stop the server

Writable

Smart Insert

15:8:380

Feche o servidor



```
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 
11 <h1>Agenda de contatos</h1>
12 <a href="main" class="Botao1">Acessar</a>
13 </body>
14 </html>
```

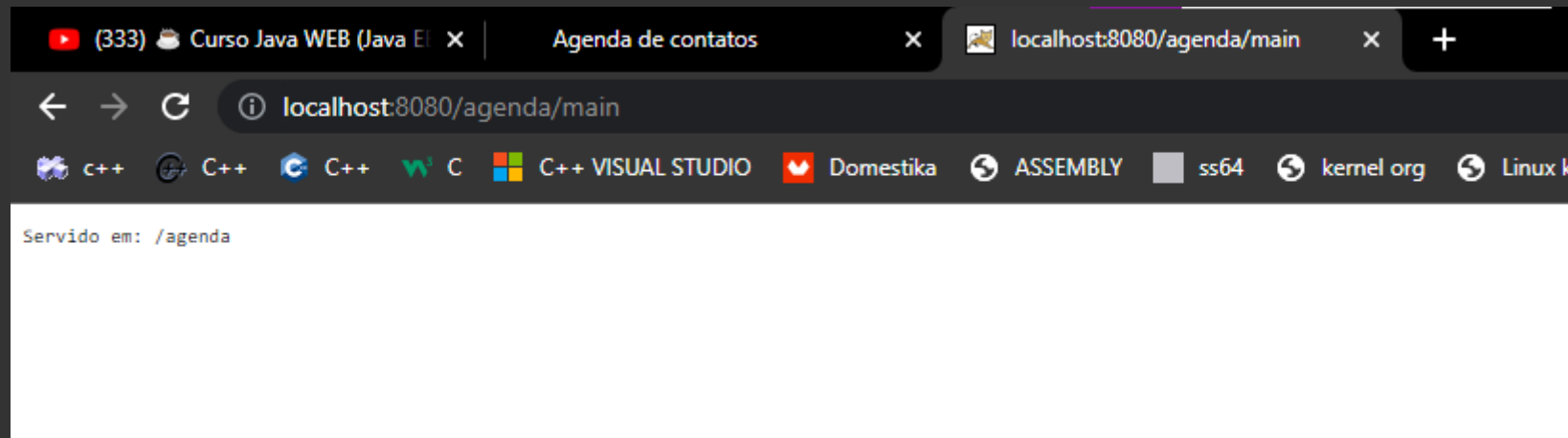
Selecione index.html e execute



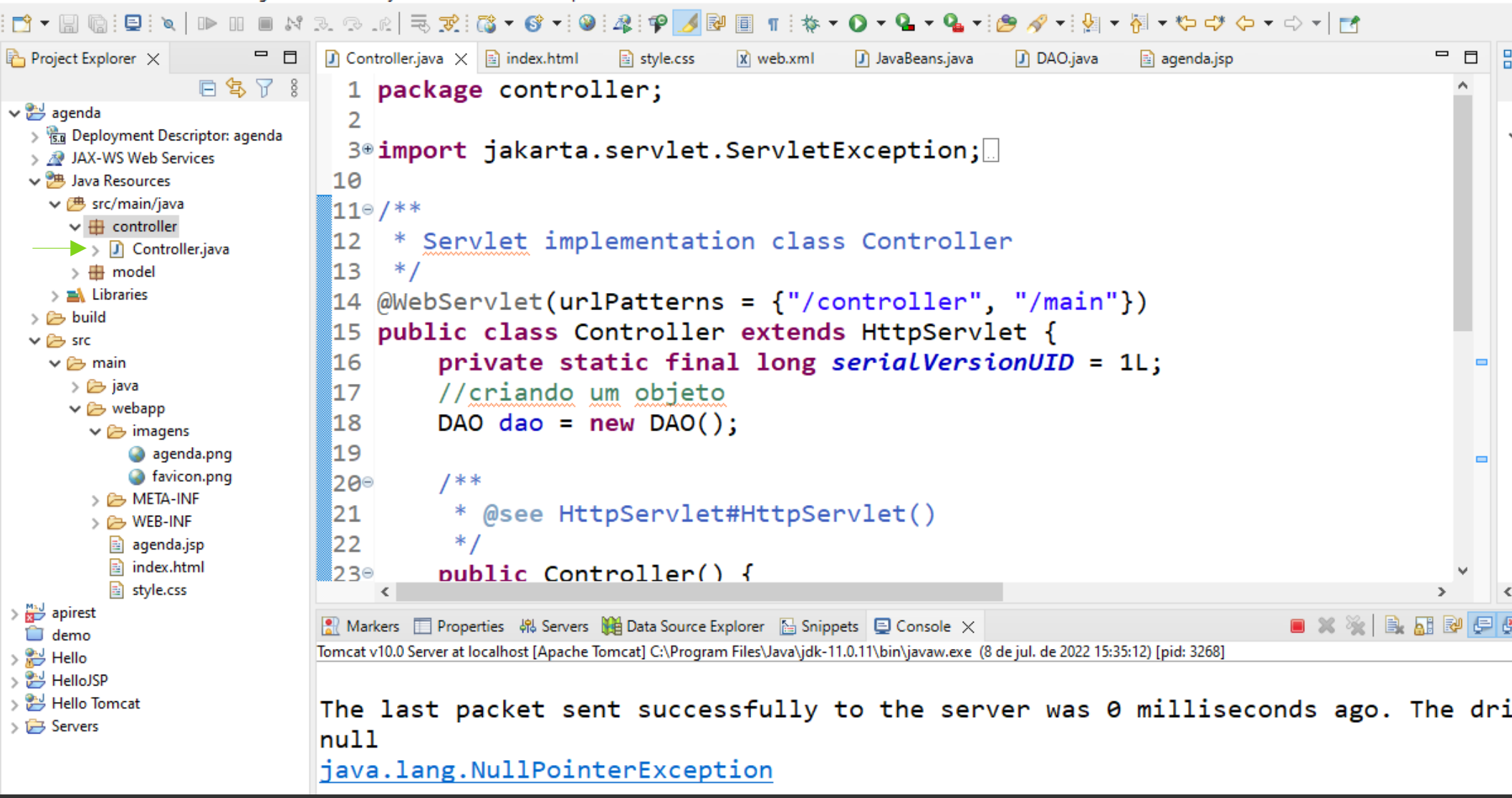
Agenda de contatos

Acessar





Fazendo o redirecionamento



```
1 package controller;
2
3 import jakarta.servlet.ServletException;
10
11 /**
12  * Servlet implementation class Controller
13  */
14 @WebServlet(urlPatterns = {"/controller", "/main"})
15 public class Controller extends HttpServlet {
16     private static final long serialVersionUID = 1L;
17     //criando um objeto
18     DAO dao = new DAO();
19
20     /**
21      * @see HttpServlet#HttpServlet()
22      */
23     public Controller() {
```

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 (8 de jul. de 2022 15:35:12) [pid: 3268]

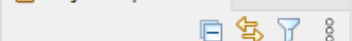
The last packet sent successfully to the server was 0 milliseconds ago. The dri
null
[java.lang.NullPointerException](#)

eclipse-workspace - agenda/src/main/java/controller/Controller.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help



Project Explorer



agenda

Deployment Descriptor: age

JAX-WS Web Services

Java Resources

src/main/java

controller

Controller.java

model

Libraries

build

src

main

java

webapp

imagens

agenda.png

favicon.png

META-INF

WEB-INF

agenda.jsp

index.html

style.css

apirest

demo

Hello

Controller.java

index.html

style.css

web.xml

JavaBeans.java

DAO.java

agenda.jsp

```
1 package controller;
2
3 import jakarta.servlet.ServletException;
4
5
6
7
8
9
10
11 @WebServlet(urlPatterns = {"/controller", "/main"})
12 public class Controller extends HttpServlet {
13     private static final long serialVersionUID = 1L;
14     //criando um objeto
15     DAO dao = new DAO();
16
17     public Controller() {
18         super();
19     }
20
21     protected void doGet(HttpServletRequest request, HttpServletResponse response) {
22         response.getWriter().append("Served at: ").append(request.getContextPath());
23     }
24 }
```

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 (8 de jul. de 2022 15:35:12) [pid: 3268]
INFO: Reloading context with name [/agenda] has started

The screenshot shows an IDE window with several tabs: Controller.java, index.html, style.css, web.xml, JavaBeans.java, DAO.java, and agenda.jsp. The Controller.java tab is active, displaying the following code:

```
11 @WebServlet(urlPatterns = {"/controller", "/main"})
12 public class Controller extends HttpServlet {
13     private static final long serialVersionUID = 1L;
14     //criando um objeto
15     DAO dao = new DAO();
16
17     public Controller() {
18         super();
19     }
20
21     protected void doGet(HttpServletRequest request, HttpServletResponse response) {
22         response.getWriter().append("Served at: ").append(request.getContextPath());
23     }
24 }
25
26 }
27
```

The IDE interface includes a toolbar at the top with various icons for file operations, a sidebar on the left with icons for Explorer, Package Explorer, and Project Explorer, and a bottom panel with tabs for Markers, Properties, Servers, Data Source Explorer, Snippets, and Console. The Console tab is active, showing the following output:

```
Tomcat v10.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jdk-11.0.11\bin\javaw.exe (8 de jul. de 2022 15:35:12) [pid: 3268]
INFO: Reloading context with name [/agenda] has started
jul 08, 2022 3:41:11 PM org.apache.jasper.servlet.TldScanner scanJars
```

eclipse-workspace - agenda/src/main/java/controller/Controller.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer

- agenda
 - Deployment Descriptor: age
 - JAX-WS Web Services
 - Java Resources
 - src/main/java
 - controller
 - Controller.java
 - model
 - Libraries
 - build
 - src
 - main
 - java
 - webapp
 - imagens
 - agenda.png
 - favicon.png
 - META-INF
 - WEB-INF
 - agenda.jsp
 - index.html
 - style.css

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 (8 de jul. de 2022 15:35:12) [pid: 3268]

```
jul 08, 2022 3:44:23 PM org.apache.jasper.servlet.TldScanner scanJars
INFO: At least one JAR was scanned for TLDs yet contained no TLDs. Enable debug logging for
jul 08, 2022 3:44:23 PM org.apache.catalina.core.StandardContext reload
```

Controller.java

```
11 @WebServlet(urlPatterns = {"/controller", "/main"})
12 public class Controller extends HttpServlet {
13     private static final long serialVersionUID = 1L;
14     //criando um objeto
15     DAO dao = new DAO();
16
17     public Controller() {
18         super();
19     }
20
21     protected void doGet(HttpServletRequest request, HttpServletResponse response) {
22         response.getWriter().append("Served at: ").append(request.getContextPath());
23         String action = request.getServletPath();
24         System.out.println(action);
25     }
26
27 }
```

Faça as alterações salve tudo



```
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 
11 <h1>Agenda de contatos</h1>
12 <a href="main" class="Botao1">Acessar</a>
13 </body>
14 </html>
```

Escolha o arquivo
index.html e execute



Agenda de contatos

Acessar



(333) Curso Java WEB (Java E

localhost:8080/agenda/main



localhost:8080/agenda/main



c++



C++



C++



C



C++

VISUAL STUDIO

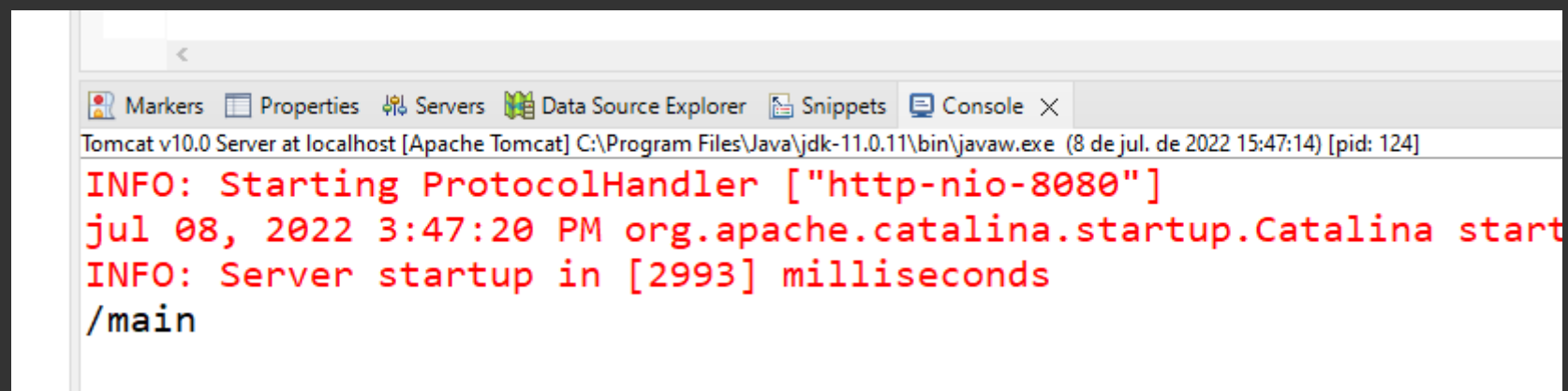


Domestika



ASSEMBLY

Servido em: /agenda



The screenshot shows the Eclipse IDE's console window. The title bar indicates the console is for the 'Tomcat v10.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jdk-11.0.11\bin\javaw.exe (8 de jul. de 2022 15:47:14) [pid: 124]'. The console output, displayed in red text, shows the following log messages:

```
INFO: Starting ProtocolHandler ["http-nio-8080"]  
jul 08, 2022 3:47:20 PM org.apache.catalina.startup.Catalina start  
INFO: Server startup in [2993] milliseconds  
/main
```

No console do eclipse é exibido isso então esta certo

```
1 package controller;
2
3 import jakarta.servlet.ServletException;
4
10
11 @WebServlet(urlPatterns = {"/controller", "/main"})
12 public class Controller extends HttpServlet {
13     private static final long serialVersionUID = 1L;
14     //criando um objeto
15     DAO dao = new DAO();
16
17     public Controller() {
18         super();
19     }
20
21     protected void doGet(HttpServletRequest request, HttpServletResponse response) {
22         response.getWriter().append("Served at: ").append(request.getContextPath());
23         String action = request.getServletPath();
```

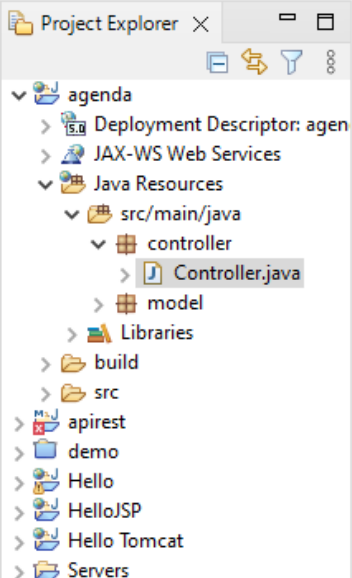
Tomcat v10.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jdk-11.0.11\bin\javaw.exe (8 de jul. de 2022 15:47:14) [pid: 124]

```
jul 08, 2022 3:47:16 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: Server version name: Apache Tomcat/10.0.22
```



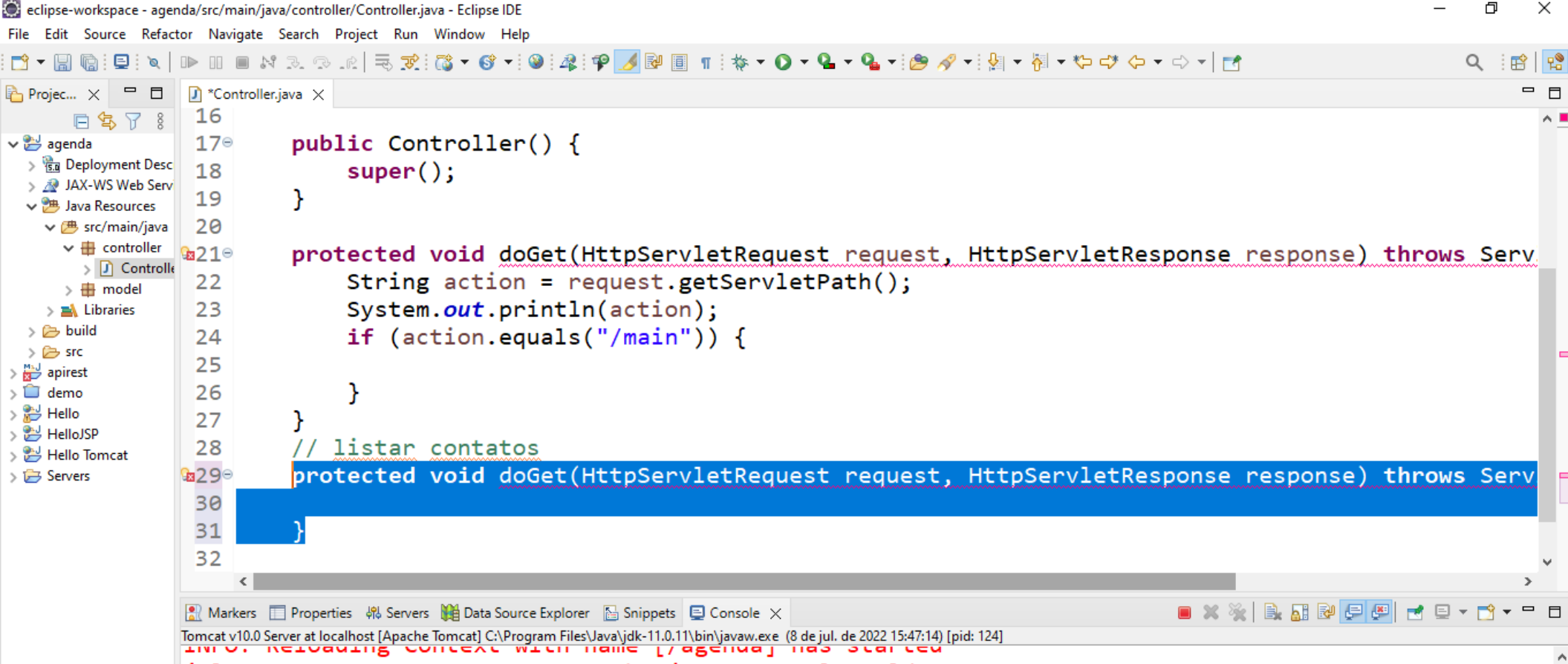
```
20
21 protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
22     response.getWriter().append("Served at: ").append(request.getContextPath());
23     String action = request.getServletPath();
24     System.out.println(action);
25
26
27
28
```

Remova essa linha



```
14 //criando um objeto
15 DAO dao = new DAO();
16
17 public Controller() {
18     super();
19 }
20
21 protected void doGet(HttpServletRequest request, HttpServletResponse response) {
22     String action = request.getServletPath();
23     System.out.println(action);
24     if (action.equals("/main")) {
25
26     }
27 }
28
29
30 }
```

```
jul 08, 2022 3:59:14 PM org.apache.jasper.servlet.TldScanner scanJars
INFO: At least one JAR was scanned for TLDs yet contained no TLDs. Enable debug logging to see full message.
jul 08, 2022 3:59:14 PM org.apache.catalina.core.StandardContext reload
INFO: Reloading Context with name [/agenda] is completed
```



Copy e cole a estrutura do metodo doget

The screenshot shows the Eclipse IDE interface. The main editor displays the `Controller.java` file with the following code:

```
16  
17 public Controller() {  
18     super();  
19 }  
20  
21 protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException {  
22     String action = request.getServletPath();  
23     System.out.println(action);  
24     if (action.equals("/main")) {  
25  
26     }  
27 }  
28 // listar contatos  
29 protected void contatos(HttpServletRequest request, HttpServletResponse response) throws ServletException {  
30  
31 }  
32
```

A green arrow points to the `contatos` method name on line 29. The project explorer on the left shows the file structure, with `Controller.java` selected under `src/main/java/controller`.

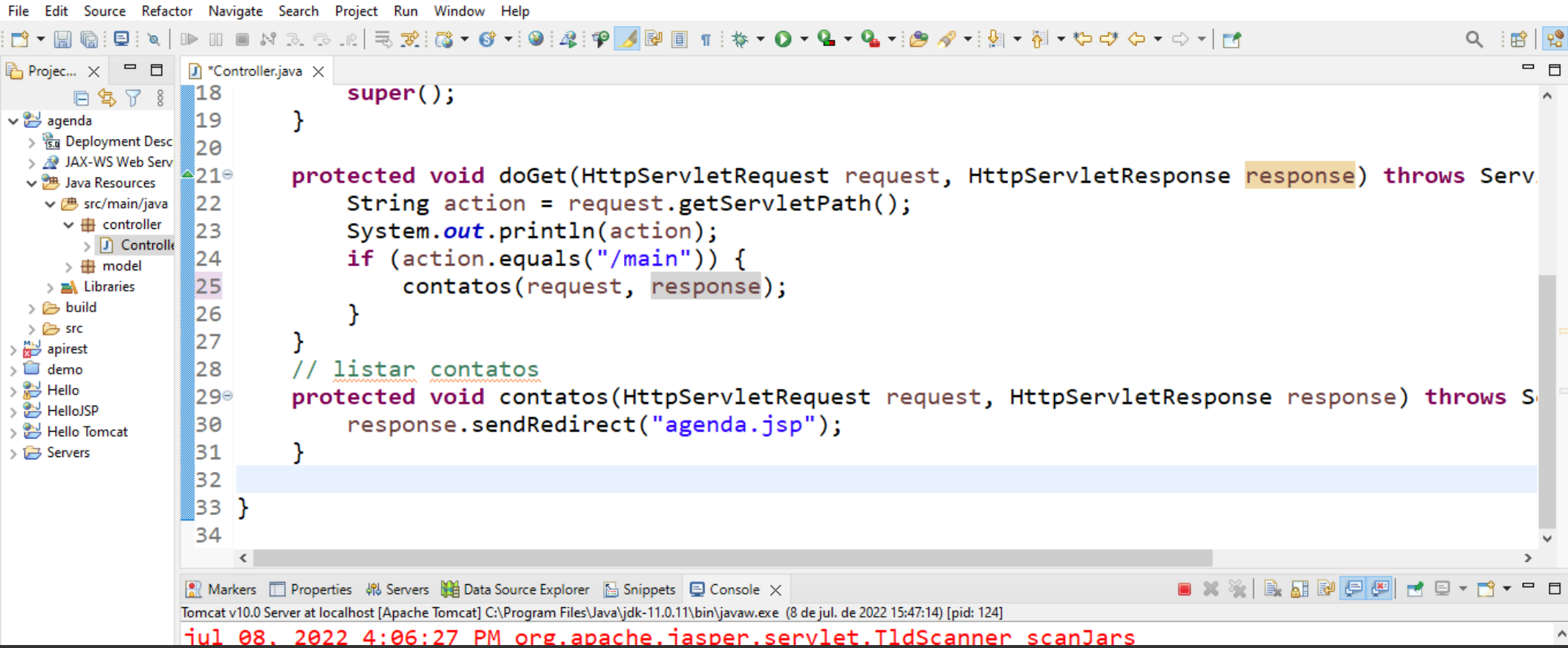
The console at the bottom shows the following log messages:

```
Tomcat v10.0 Server at localhost [Apache Tomcat/11.0.11] C:\Program Files\Java\jdk-11.0.11\bin\javaw.exe (8 de jul. de 2022 15:47:14) [pid: 124]  
INFO: Reloading Context with name [/agenda] has started  
jul 08, 2022 4:00:35 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  
jul 08, 2022 4:00:35 PM org.apache.catalina.core.StandardContext reload  
INFO: Reloading Context with name [/agenda] is completed
```

Só mude seu nome para contatos

```
protected void contatos(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {  
}
```

Essa foi a alteração que fizemos



Faça as alterações no arquivo salve tudo selecione o index.html e execute



Agenda de contatos

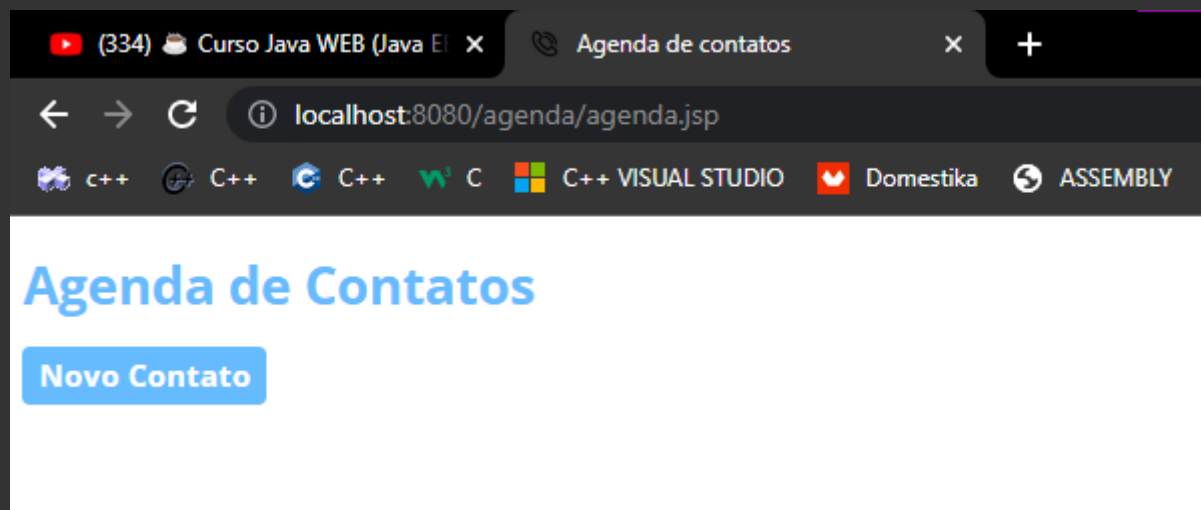
Acessar



Markers Properties Servers Data Source Explorer Snippets Console X

Tomcat v10.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jdk-11.0.11\bin\javaw.exe (8 de jul. de 2022 16:10:27) [pid: 11968]

```
INFO: Starting ProtocolHandler ["http-nio-8080"]
jul 08, 2022 4:10:32 PM org.apache.catalina.startup.Catalina start
INFO: Server startup in [3024] milliseconds
/main
```



Ele agora redireciona para o documento jsp

