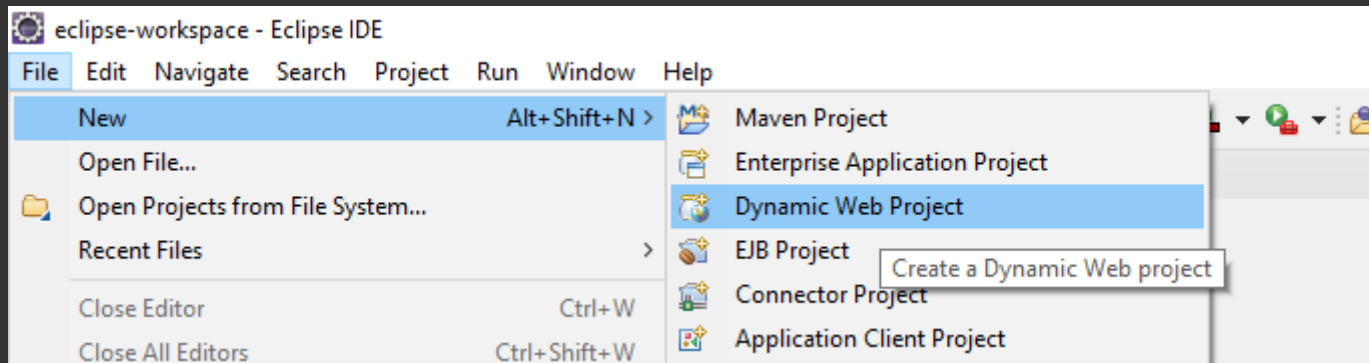


Server pages
Paginas jsp

Link: <https://www.youtube.com/watch?v=mrWxOAIEDx4>



Dynamic Web Project

Create a standalone Java-based Web Application or add it to a new or existing Enterprise Application.



Project name: HelloJSP

Project location

☒ Use default location

Location: C:\Users\brito\eclipse-workspace\HelloJSP

Browse...

Target runtime

Apache Tomcat v10.0 (2)

New Runtime...

Dynamic web module version

5.0

Configuration

Default Configuration for Apache Tomcat v10.0 (2)

Modify...

A good starting point for working with Apache Tomcat v10.0 (2) runtime. Additional facets can later be installed to add new functionality to the project.

EAR membership

☐ Add project to an EAR

EAR project name: EAR

New Project...

Working sets

☐ Add project to working sets

New...

Working sets:

Select...



< Back

Next >

Finish


Cancel

Java

Configure project for building a Java application.



Source folders on build path:

 src\main\java

Add Folder...

Edit...

Remove

Default output folder:

build\classes



< Back

Next >

Finish

Cancel

Web Module

Configure web module settings.



Context root:

HelloJSP

Content directory:

src/main/webapp

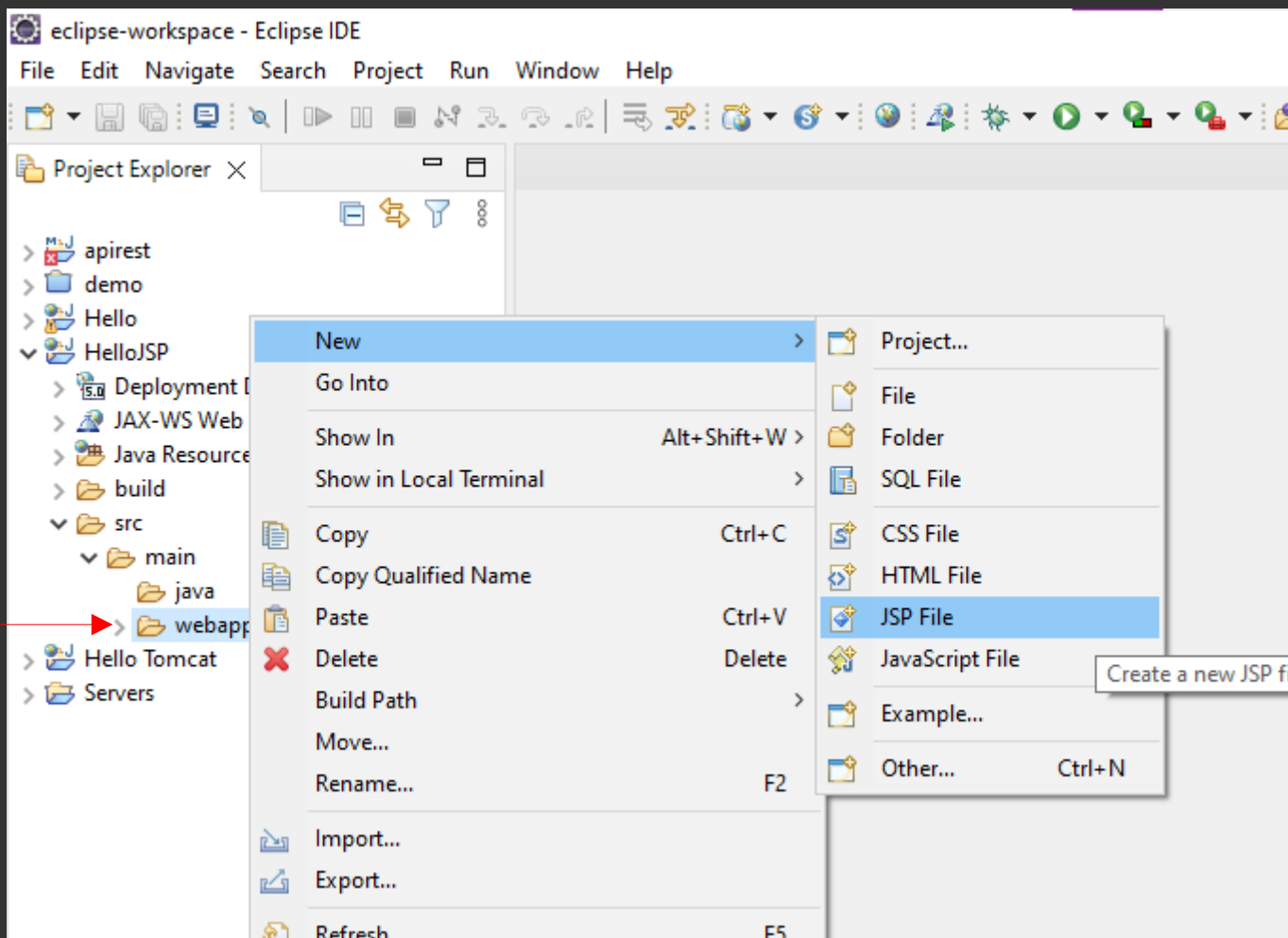
☒ Generate web.xml deployment descriptor

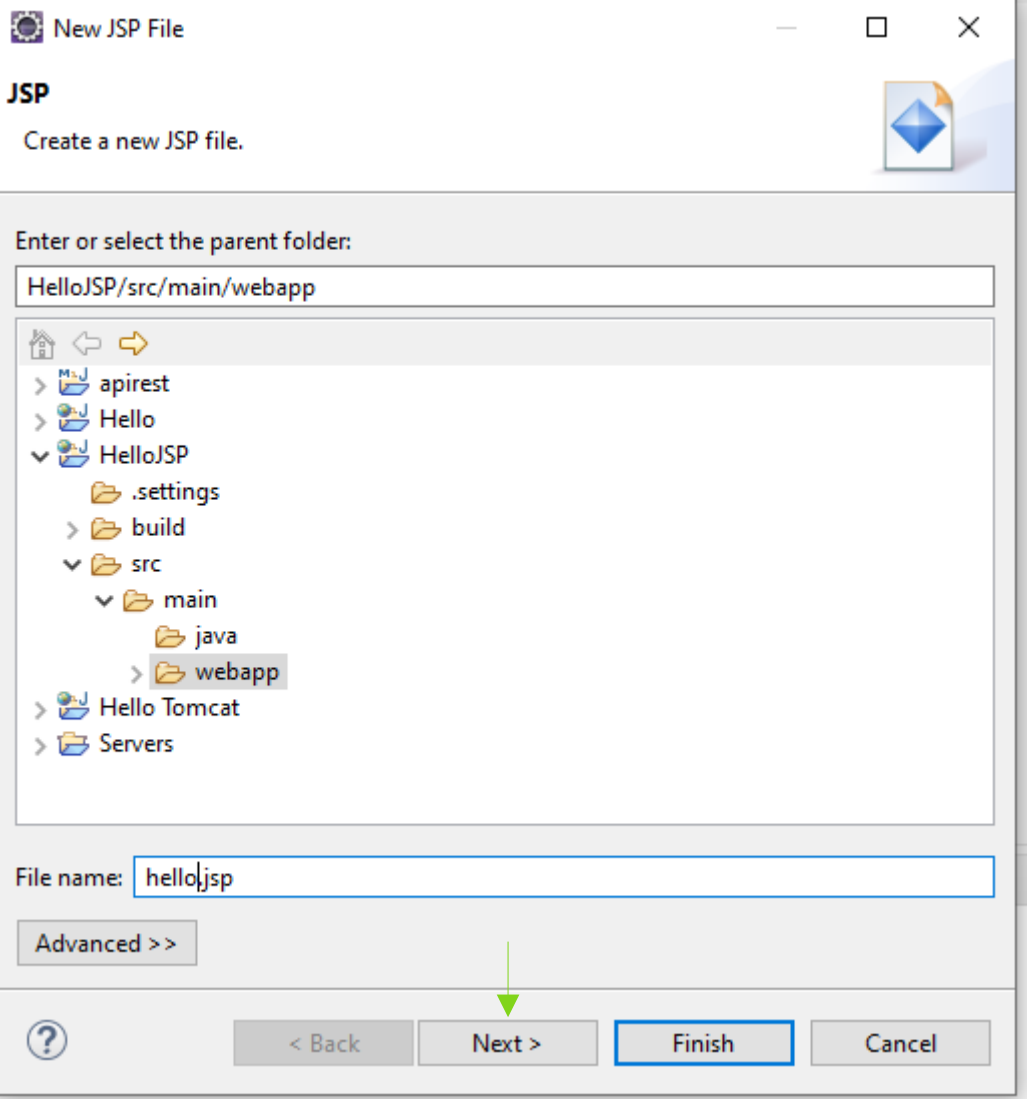
< Back

Next >

Finish

Cancel







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



Project Explorer X

- apiREST
- demo
- Hello
- ▼ HelloJSP
 - Deployment Descriptor: HelloJSP
 - JAX-WS Web Services
 - Java Resources
 - build
 - ▼ src
 - main
 - java
 - webapp
- Hello Tomcat
- Servers

hello.jsp X

```
1 <%@ page language="java" contentType="text/html; charset=ISO-8859-1"
2     pageEncoding="ISO-8859-1"%>
3 <!DOCTYPE html>
4 <html>
5 <head>
6 <meta charset="ISO-8859-1">
7 <title>Insert title here</title>
8 </head>
9 <body>
10
11 </body>
12 </html>
```

Faça as alterações necessárias

eclipse-workspace - HelloJSP/src/main/webapp/hello.jsp - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help



Project Explorer Save All (Ctrl+Shift+S)

- > apirest
- > demo
- > Hello
- ✓ HelloJSP
 - > Deployment Descriptor: HelloJSP
 - > JAX-WS Web Services
 - > Java Resources
 - > build
 - ▼ src
 - ▼ main
 - java
 - > webapp
 - > Hello Tomcat
 - > Servers

hello.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>Hello JSP</title>
8 </head>
9 <body>
10 <h1>Hello JSP</h1>
11 </body>
12 </html>
```

h/webapp/hello.jsp - Eclipse IDE

File Search Project Run Window Help

Run hello.jsp

```
1 <%@ page language="java" contentType
2     pageEncoding="utf-8"%>
3 <!DOCTYPE html>
4 <html lang= "pt-br">
5 <head>
6 <meta charset="utf-8">
7 <title>Hello JSP</title>
8 </head>
9 <body>
10 <h1>Hello JSP</h1>
```

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	Stopped

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...

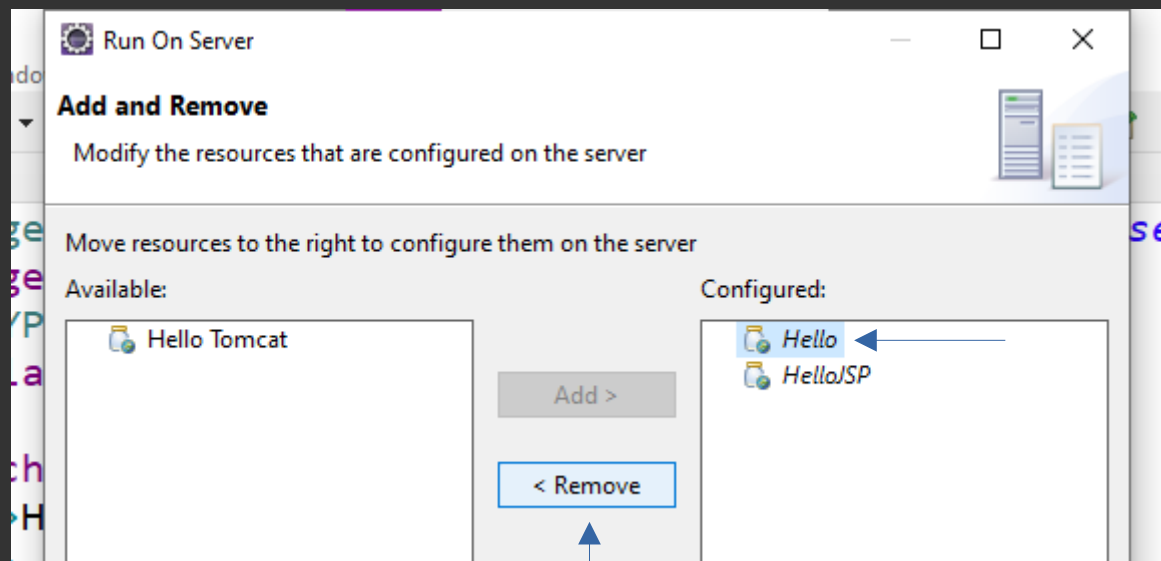
☐ Always use this server when running this project

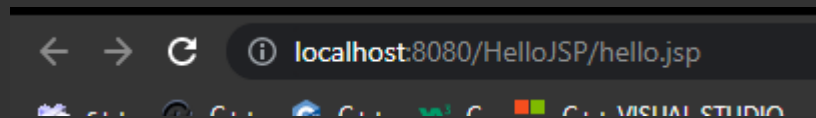
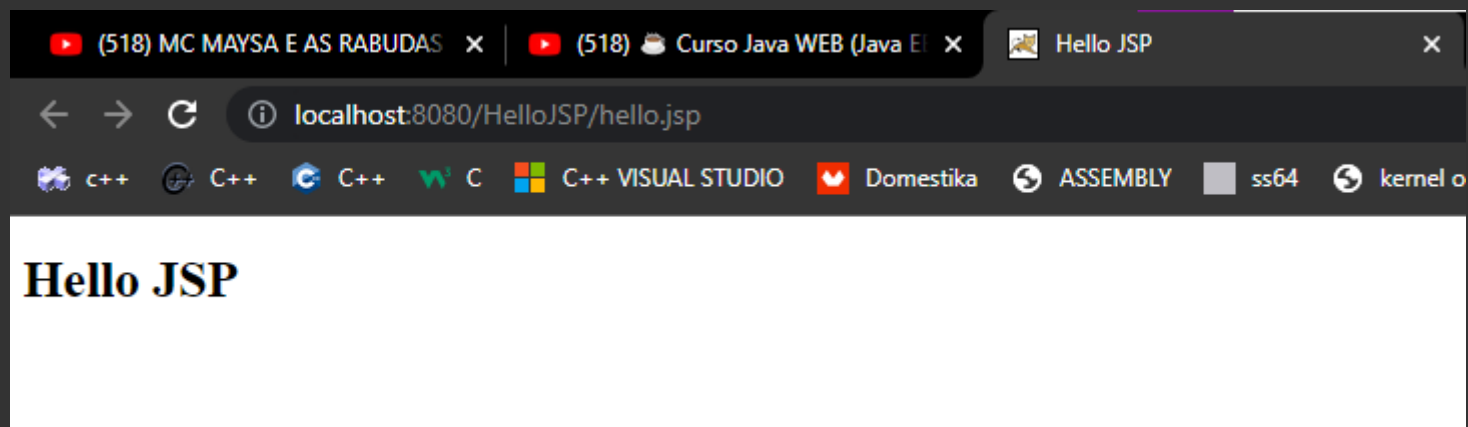
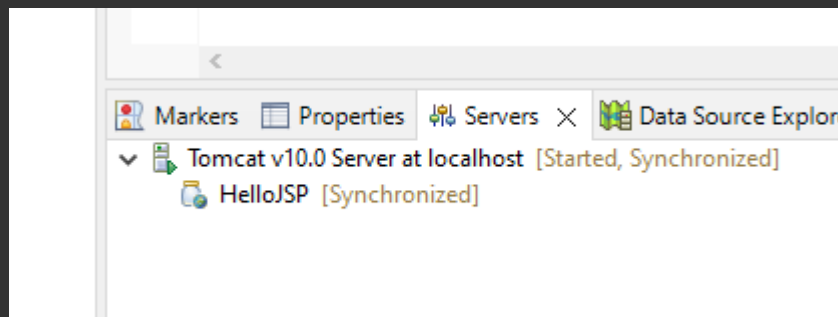
< Back

Next >

Finish

Cancel





eclipse-workspace - HelloJSP/src/main/webapp/hello.jsp - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help



Project Explorer

- > apirest
- > demo
- > Hello
- ▼ HelloJSP
 - > Deployment Descriptor: HelloJSP
 - > JAX-WS Web Services
 - > Java Resources
 - > build
 - ▼ src
 - ▼ main
 - java
 - > webapp
- > Hello Tomcat
- > Servers

hello.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>Hello JSP</title>
8 </head>
9 <body>
10   <h1>Hello JSP</h1>
11   <% out.println("cristiano oliveira"); %>
12 </body>
13 </html>
```




hello.jsp X

Run hello.jsp

```
1 <%@ page language="java" contentType="text/html" %>
2   pageEncoding="utf-8"%>
3 <!DOCTYPE html>
4 <html lang="pt-br">
5 <head>
6   <meta charset="utf-8">
7   <title>Hello JSP</title>
8 </head>
```

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



Add and Remove

 HelloJSP is required and cannot be removed from the server



Move resources to the right to configure them on the server

Available:

 Hello
 Hello Tomcat


Add >

< Remove

Add All >>

<< Remove All

Configured:

 HelloJSP

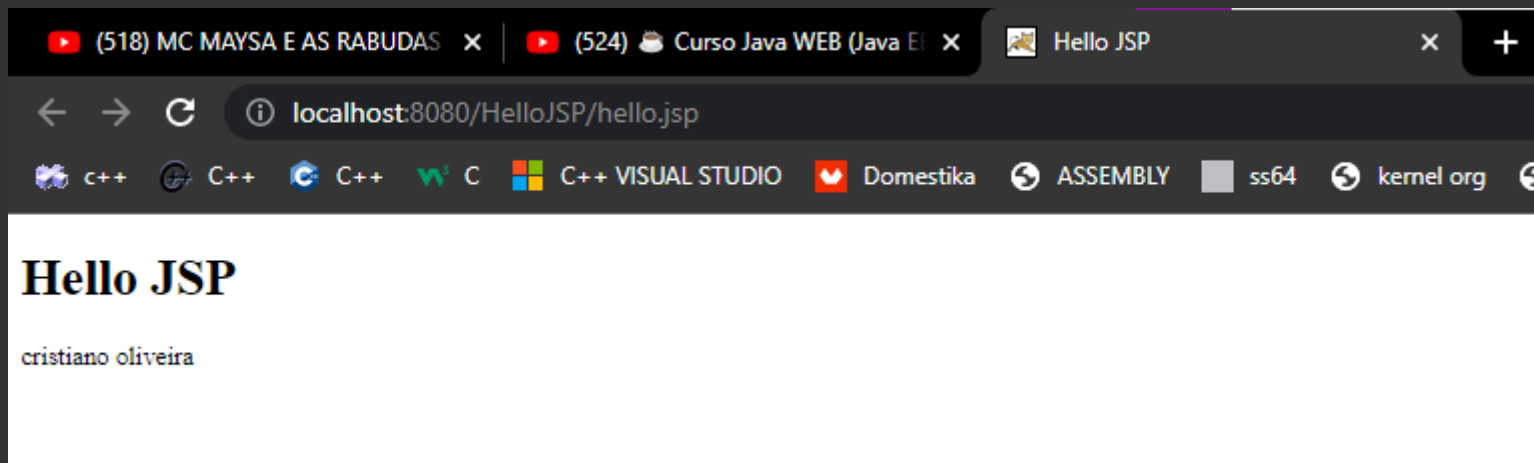


< Back

Next >

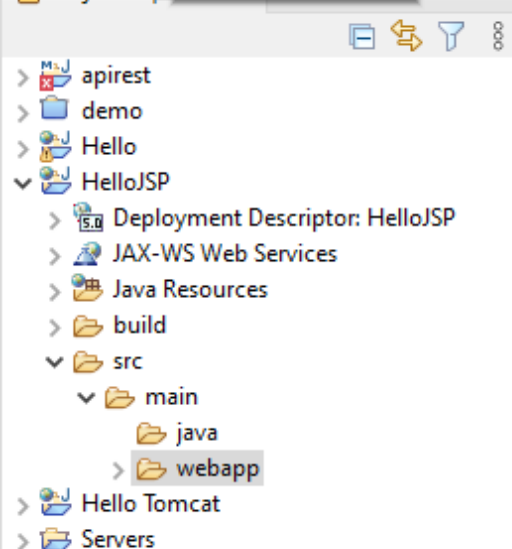
Finish

Cancel





Project Explorer Save All (Ctrl+Shift+S)



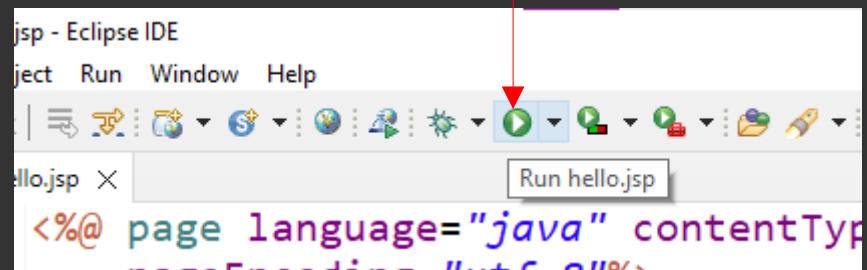
*hello.jsp x

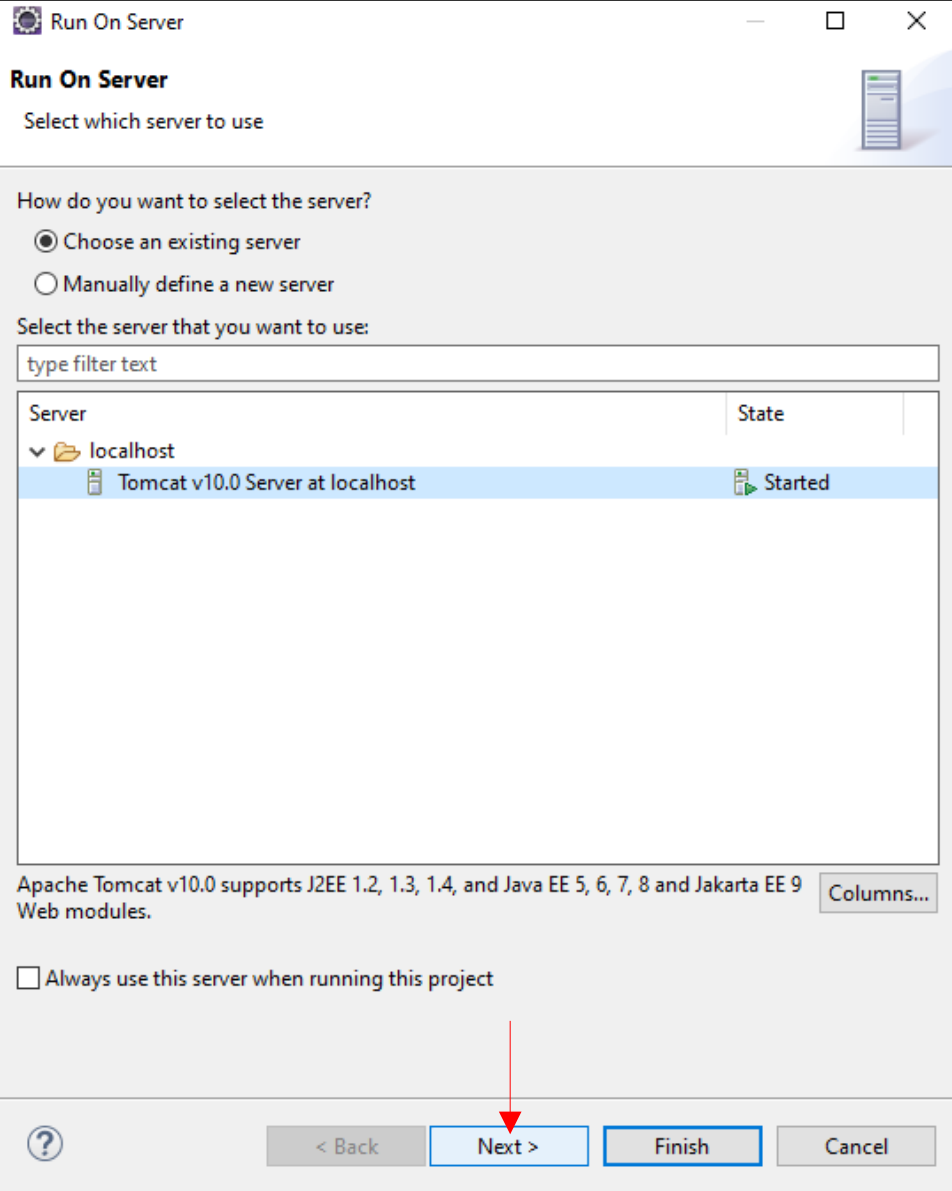
```
1 <%@ page language="java" contentType="text/html; charset=utf-8"
2     pageEncoding="utf-8"%>
3 <!DOCTYPE html>
4 <html lang="pt-br">
5 <head>
6 <meta charset="utf-8">
7 <title>Hello JSP</title>
8 </head>
9 <body>
10 <h1>Hello JSP</h1>
11 <% out.println("cristiano oliveira"); %>
12 <!-- Uso do elemento expressão -->
13 <p>Data: <%=new Date()%>
14 </body>
15 </html>
```

Markers Properties Servers Data Source Explorer Snippets Console


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

HelloJSP [Synchronized]







Add and Remove

 HelloJSP is required and cannot be removed from the server



Move resources to the right to configure them on the server

Available:

 Hello
 Hello Tomcat


Add >

< Remove

Add All >>

<< Remove All

Configured:

 HelloJSP



< Back

Next >

Finish

Cancel

HTTP Status 500 – Internal Server Error

Type Exception Report

Message Unable to compile class for JSP:

Description The server encountered an unexpected condition that prevented it from fulfilling the request.

Exception

org.apache.jasper.JasperException: Unable to compile class for JSP:

An error occurred at line: [13] in the jsp file: [/hello.jsp]

Date cannot be resolved to a type

```
10:    <h1>Hello JSP</h1>
11:    <% out.println("cristiano oliveira"); %>
12:    <!-- Uso do elemento expressão --%>
13:    <p>Data: <%=new Date()%>
14: </body>
15: </html>
```

Stacktrace:

```
org.apache.jasper.compiler.DefaultErrorHandler.javacError(DefaultErrorHandler.java:102)
org.apache.jasper.compiler.ErrorDispatcher.javacError(ErrorDispatcher.java:213)
org.apache.jasper.compiler.JDTCompiler.generateClass(JDTCompiler.java:498)
org.apache.jasper.compiler.Compiler.compile(Compiler.java:397)
org.apache.jasper.compiler.Compiler.compile(Compiler.java:367)
org.apache.jasper.compiler.Compiler.compile(Compiler.java:351)
org.apache.jasper.JspCompilationContext.compile(JspCompilationContext.java:603)
org.apache.jasper.servlet.JspServletWrapper.service(JspServletWrapper.java:399)
org.apache.jasper.servlet.JspServlet.serviceJspFile(JspServlet.java:380)
org.apache.jasper.servlet.JspServlet.service(JspServlet.java:328)
jakarta.servlet.http.HttpServlet.service(HttpServlet.java:777)
org.apache.tomcat.websocket.server.WsFilter.doFilter(WsFilter.java:53)
```

Note A pilha de erros completa da causa principal está disponível nos logs do servidor.

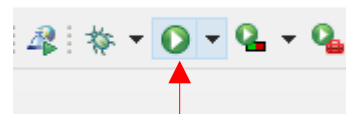
Project Explorer Save All (Ctrl+Shift+S)

- > apirest
- > demo
- > Hello
- ✓ HelloJSP
 - > Deployment Descriptor: HelloJSP
 - > JAX-WS Web Services
 - > Java Resources
 - > build
 - ✓ src
 - main
 - java
 - webapp
- > Hello Tomcat
- > Servers

hello.jsp ×

```
1 <%@ page language="java" contentType="text/html; charset=utf-8"
2   pageEncoding="utf-8"%>
3 <%@ page import="java.util.Date"%>
4 <!DOCTYPE html>
5 <html lang="pt-br">
6 <head>
7 <meta charset="utf-8">
8 <title>Hello JSP</title>
9 </head>
10 <body>
11 <h1>Hello JSP</h1>
12 <% out.println("cristiano oliveira"); %>
13 <!-- Uso do elemento expressão -->
14 <p>Data: <%=new Date()%>
15 </body>
16 </html>
```

Importe a classe
Salve e execute



page="java" con

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 (30 de jun. de 2022 19:29:09) [pid: 11364]

```
at org.apache.tomcat.util.threads.ThreadPoolExecutor$Worker.run(Thread
at org.apache.tomcat.util.threads.TaskThread$WrappingRunnable.run(Task
at java.base/java.lang.Thread.run(Thread.java:834)
```

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



Add and Remove

 HelloJSP is required and cannot be removed from the server



Move resources to the right to configure them on the server

Available:

 Hello
 Hello Tomcat


Add >

< Remove

Add All >>

<< Remove All

Configured:

 HelloJSP

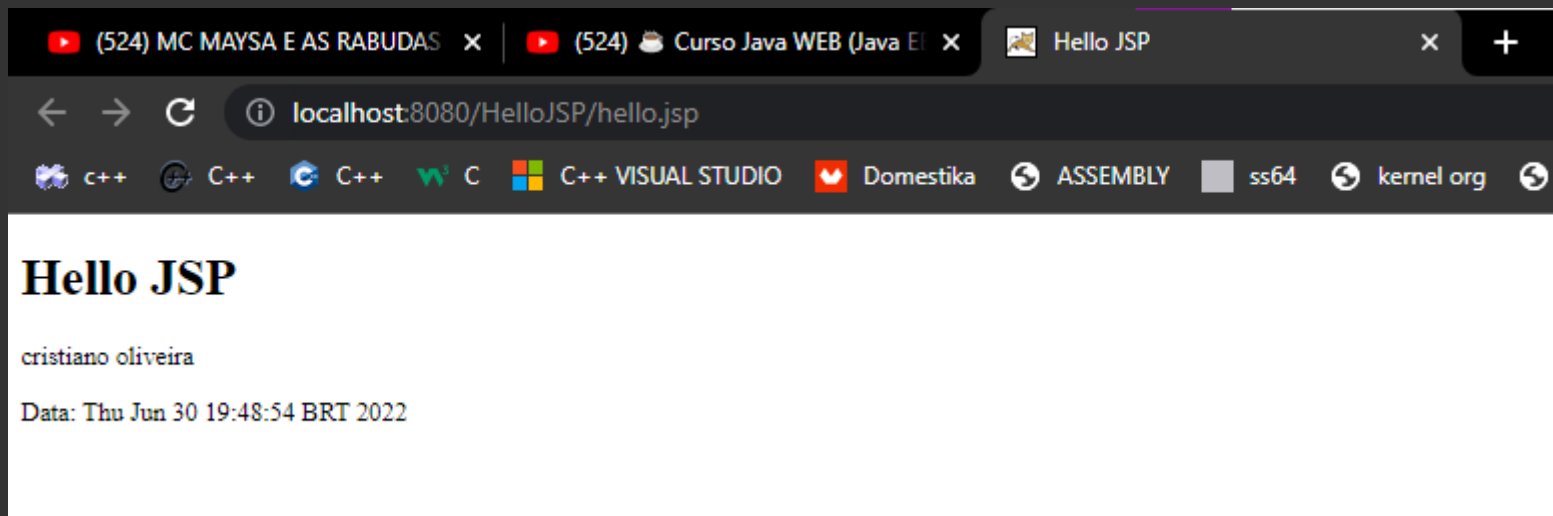


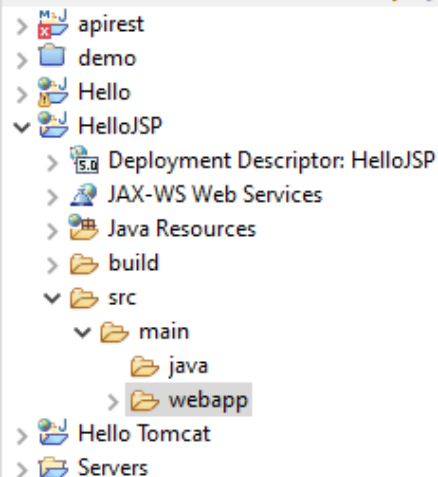
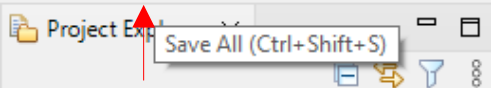
< Back

Next >

Finish

Cancel





hello.jsp ×

```
1 <%@ page language="java" contentType="text/html; charset=utf-8"
2   pageEncoding="utf-8"%>
3 <%@ page import="java.util.Date"%>
4 <!DOCTYPE html>
5 <html lang="pt-br">
6 <head>
7   <meta charset="utf-8">
8   <title>Hello JSP</title>
9 </head>
10 <body>
11   <h1>Hello JSP</h1>
12   <% out.println("cristiano oliveira"); %>
13   <!-- Uso do elemento expressão -->
14   <p>Data: <%=new Date()%>
15   <%!int contador=0;%>
16   <p>Visitas: <%=contador++%></p>
17 </body>
```

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

Add and Remove

⚠ HelloJSP is required and cannot be removed from the server



Move resources to the right to configure them on the server

Available:

Hello
Hello Tomcat

Add >

< Remove

Add All >>

<< Remove All

Configured:

HelloJSP



< Back

Next >

Finish

Cancel

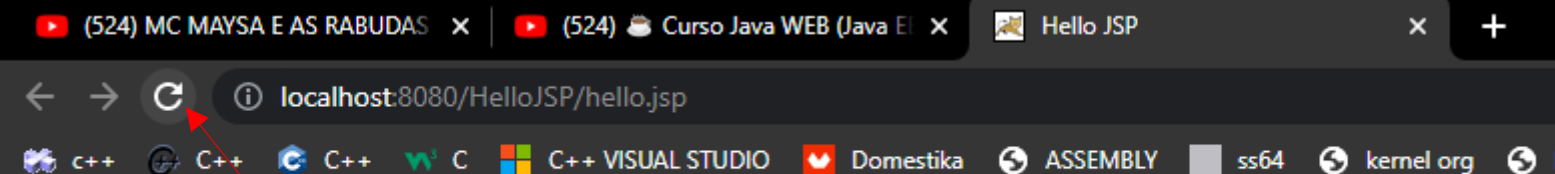


Hello JSP

cristiano oliveira

Data: Thu Jun 30 19:56:25 BRT 2022

Visitas: 0



Hello JSP

cristiano oliveira

Data: Thu Jun 30 19:56:25 BRT 2022

Visitas: 0

Atualize o navegador

Hello JSP

cristiano oliveira

Data: Thu Jun 30 19:57:30 BRT 2022

Visitas: 1

Hello JSP

cristiano oliveira

Data: Thu Jun 30 19:58:09 BRT 2022

Visitas: 4

