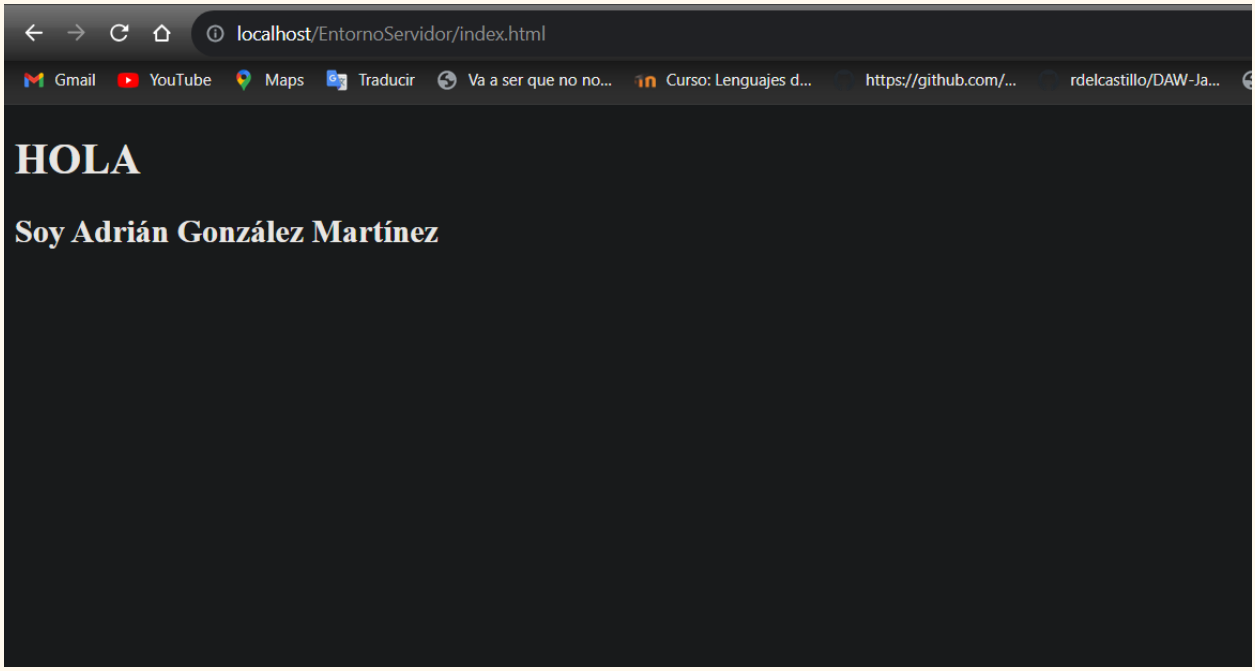
Adrián González Martínez

Entorno Servidor
RA 1 Actividad 1

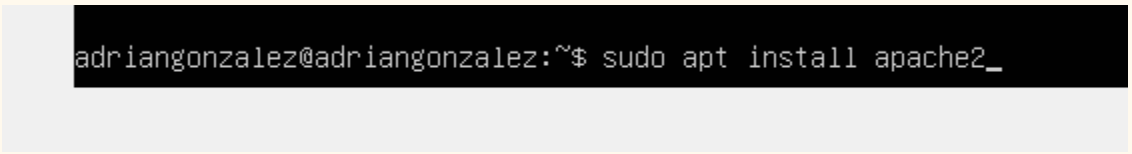
Actividad 1:

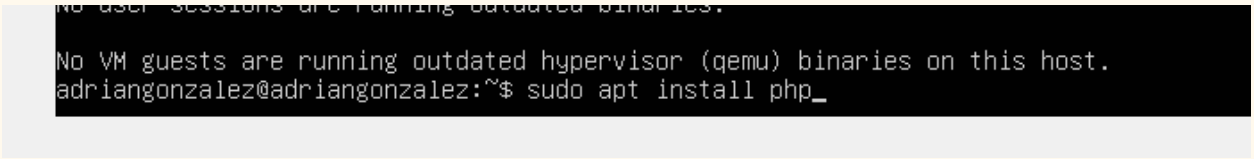
Ya con todo instalado, se puede observar en la imagen el portfolio personal que he creado para probar que toda la configuración pertinente se ha hecho correctamente

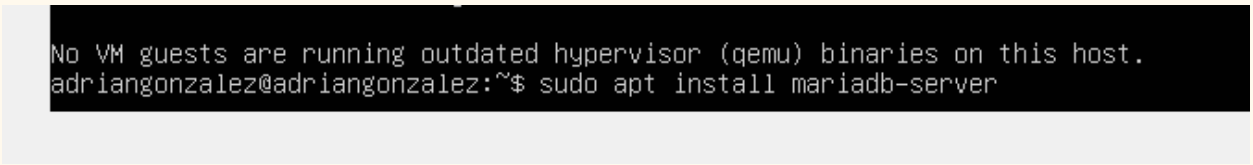


Actividad 2:

Aquí se puede observar, con la máquina virtual ya creada, como se instalan las diferentes herramientas necesarias para realizar la configuración el servidor



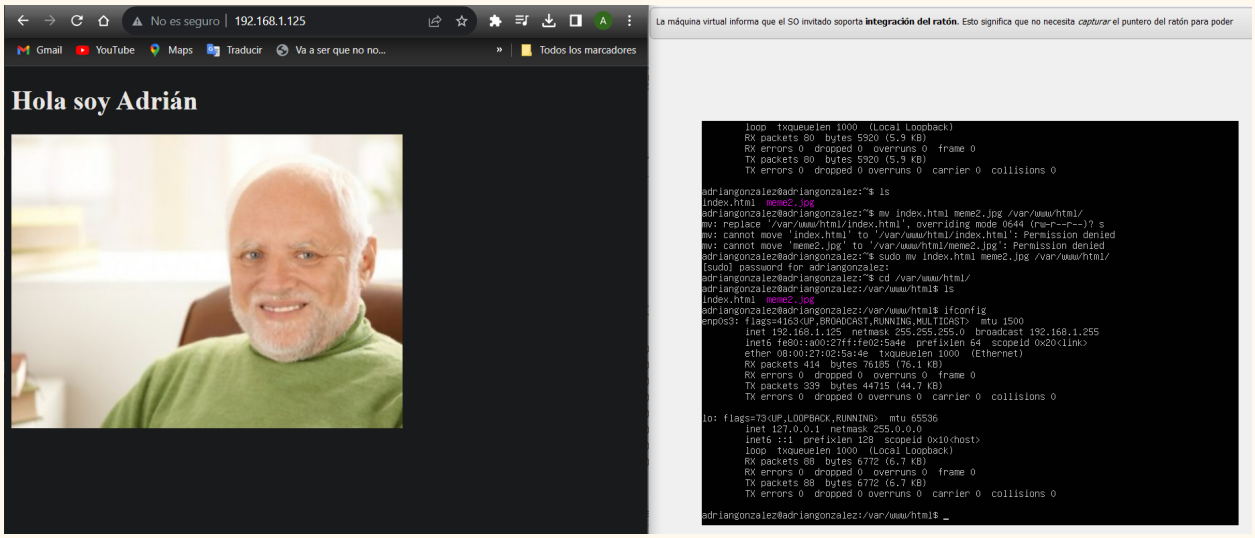




Después se utilizará, en este caso, la herramienta de Filezilla para transmitir archivos desde mi máquina local al servidor que previamente se ha configurado.

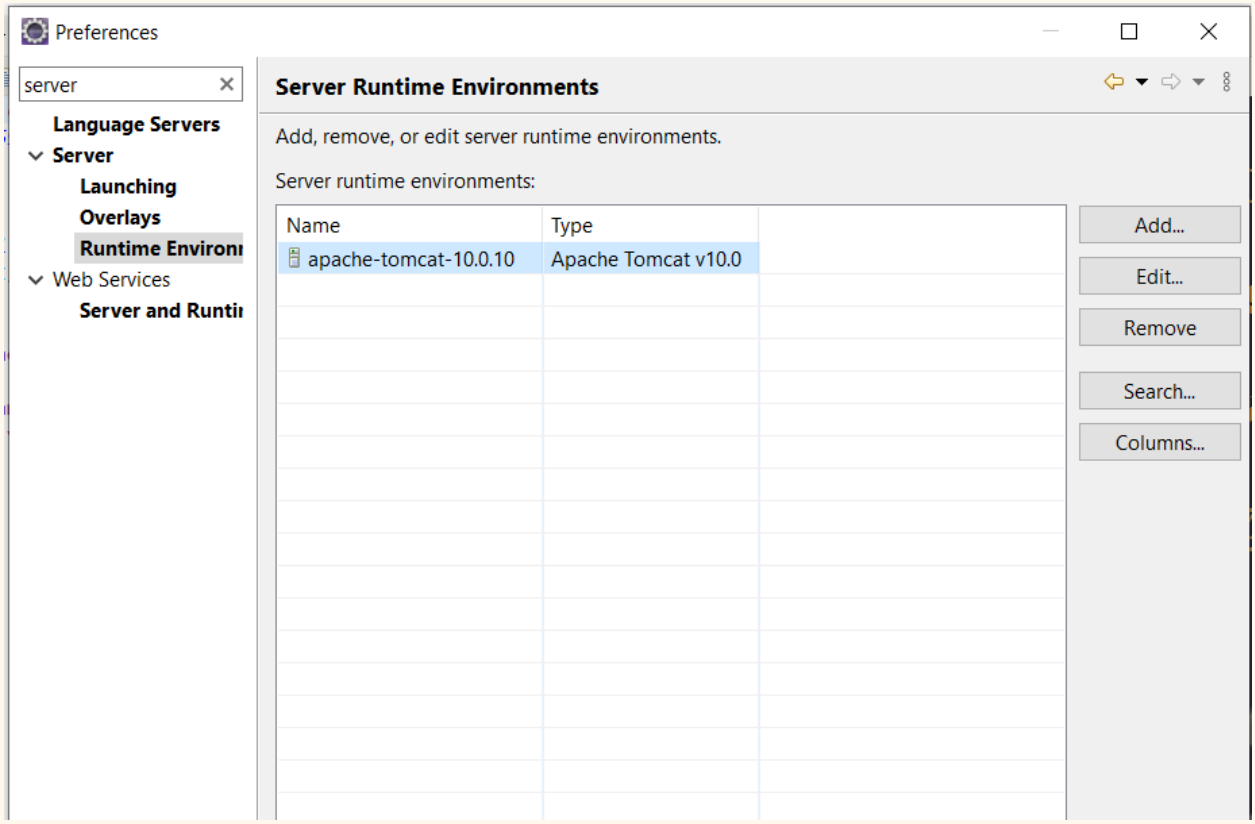
En la siguiente imagen se puede observar como introduciendo la ip del servidor previamente mencionado en el navegador web en nuestra máquina local aparecerá el archivo que hemos

transferido mediante Filezilla

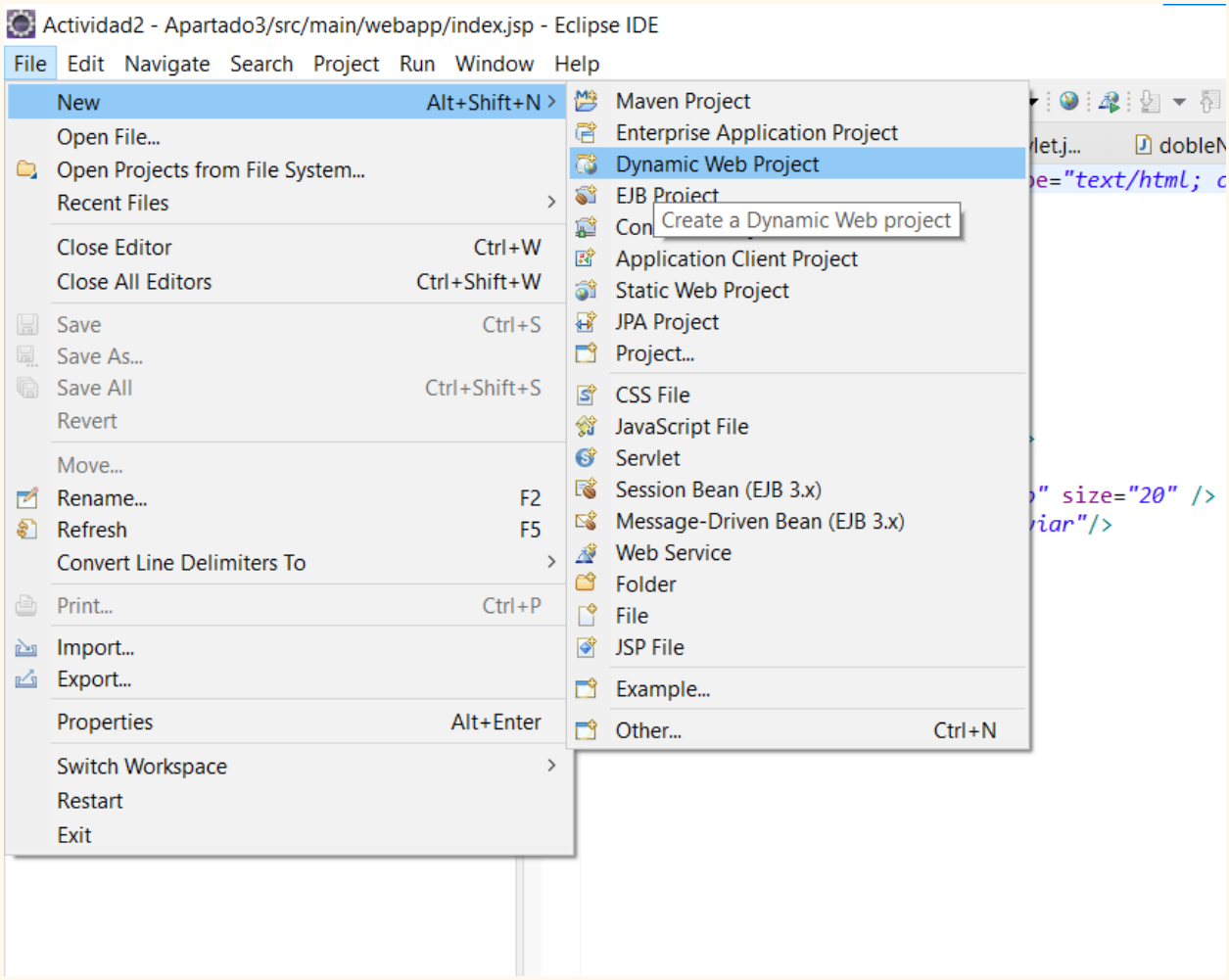


Actividad 3:

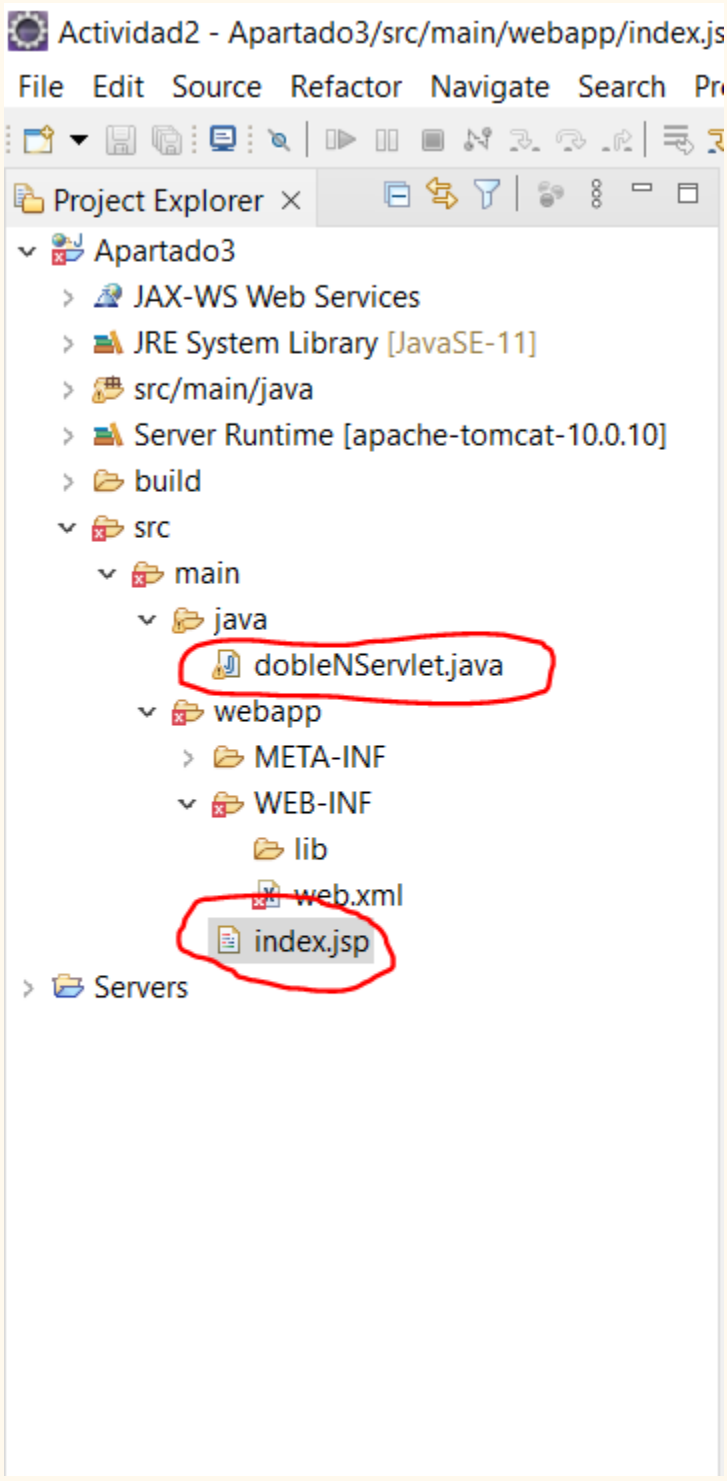
Para configurar el entorno de trabajo, en este caso Eclipse, se debe primero instalar el plugin de apache-tomcat desde el propio IDE

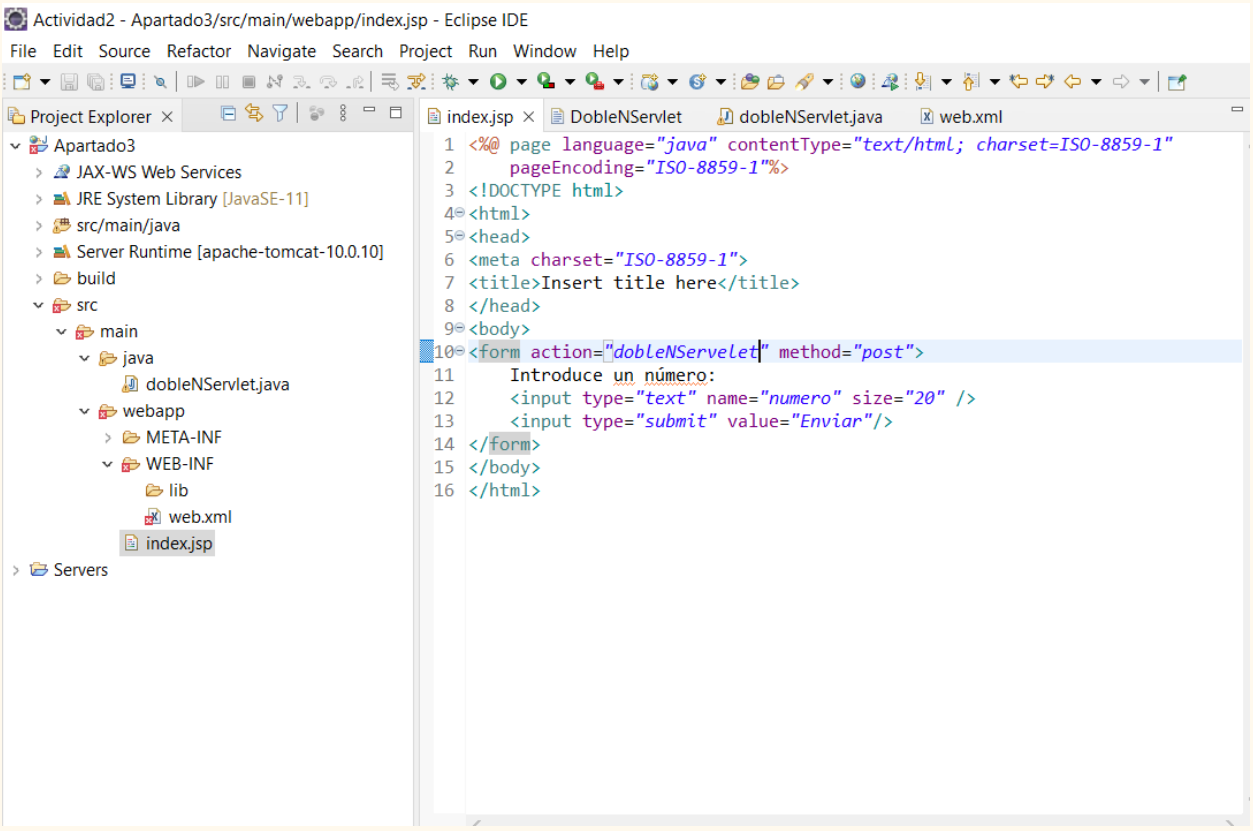


Ya con el plugin instalado, se debe crear un nuevo proyecto(Project Web Dinamic)



Ya con el proyecto creado, en webapp/WEB-INF se creará un index.jsp que contendrá código HTML, ese código deberá contener la etiqueta form para acceder al archivo .java que se habrá creado previamente para calcular el doble número


Actividad2 - Apartado3/src/main/webapp/index.js
File Edit Source Refactor Navigate Search Pr
Project Explorer
Apartado3
JAX-WS Web Services
JRE System Library [JavaSE-11]
src/main/java
Server Runtime [apache-tomcat-10.0.10]
build
src
main
java
dobleNServlet.java
webapp
META-INF
WEB-INF
lib
web.xml
index.jsp
Servers


Actividad2 - Apartado3/src/main/webapp/index.jsp - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer
Apartado3
JAX-WS Web Services
JRE System Library [JavaSE-11]
src/main/java
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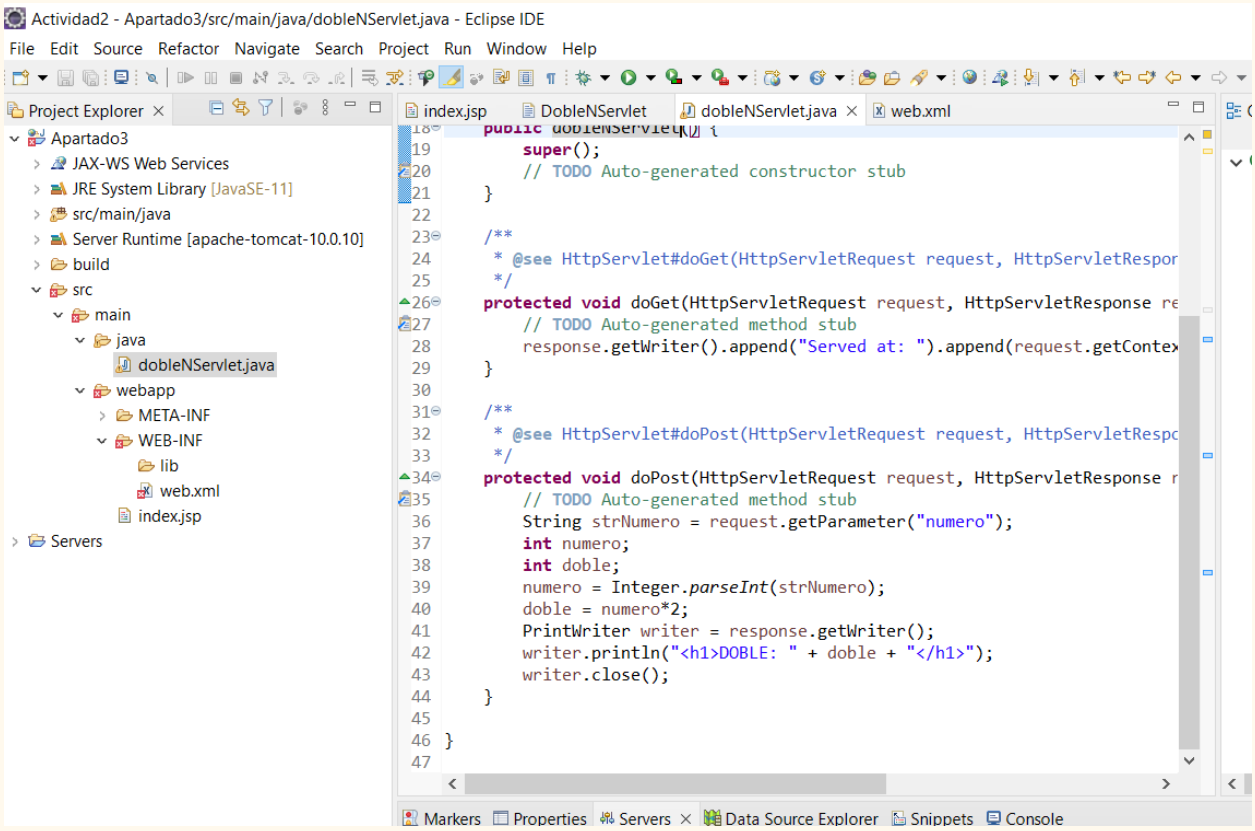
dobleNServlet.java
webapp
META-INF
WEB-INF
lib
web.xml
index.jsp
Servers
index.jsp
DobleNServlet
dobleNServlet.java
web.xml
1 <%@ page language="java" contentType="text/html; charset=ISO-8859-1"
2 pageEncoding="ISO-8859-1"%>
3 <!DOCTYPE html>
4 <html>
5 <head>
6 <meta charset="ISO-8859-1">
7 <title>Insert title here</title>
8 </head>
9 <body>
10 <form action="dobleNServelet" method="post">
11 Introduce un número:
12 <input type="text" name="numero" size="20" />
13 <input type="submit" value="Enviar"/>
14 </form>
15 </body>
16 </html>


Actividad2 - Apartado3/src/main/java/dobleNServlet.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer
Apartado3
JAX-WS Web Services
JRE System Library [JavaSE-11]
src/main/java
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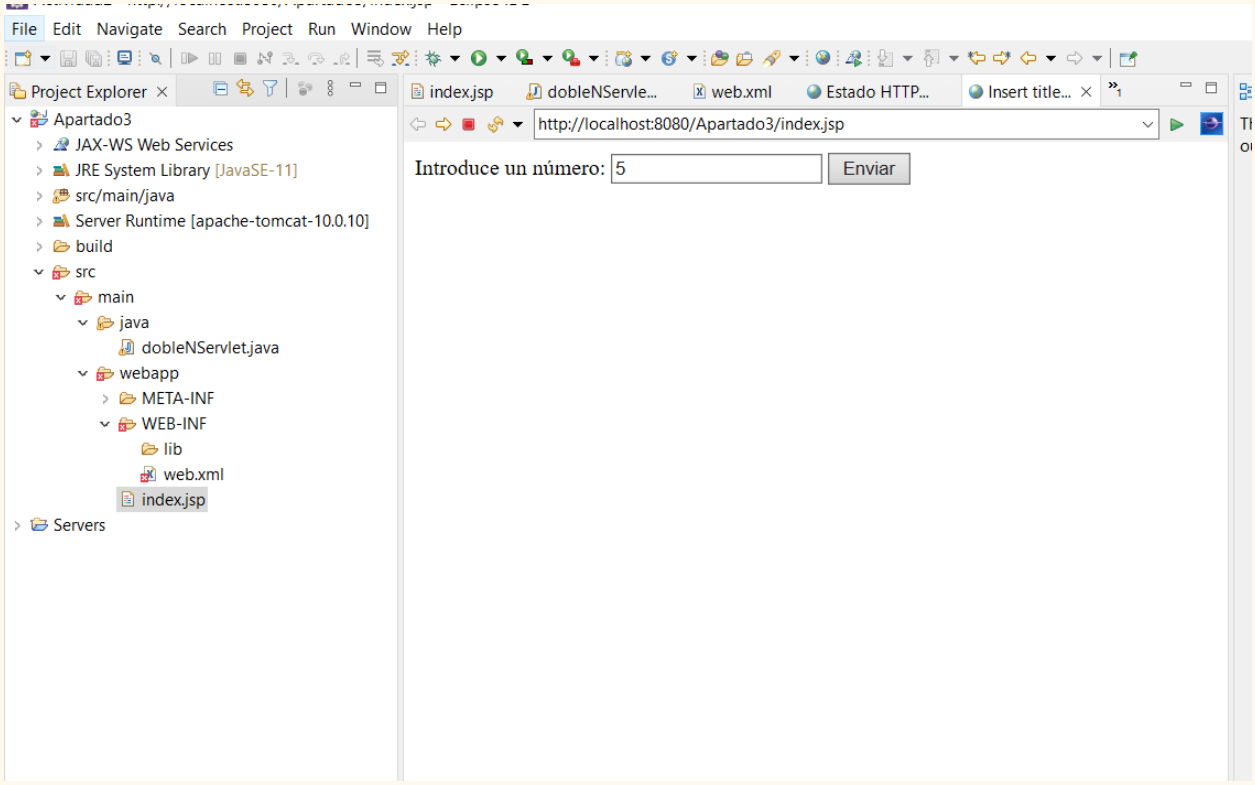
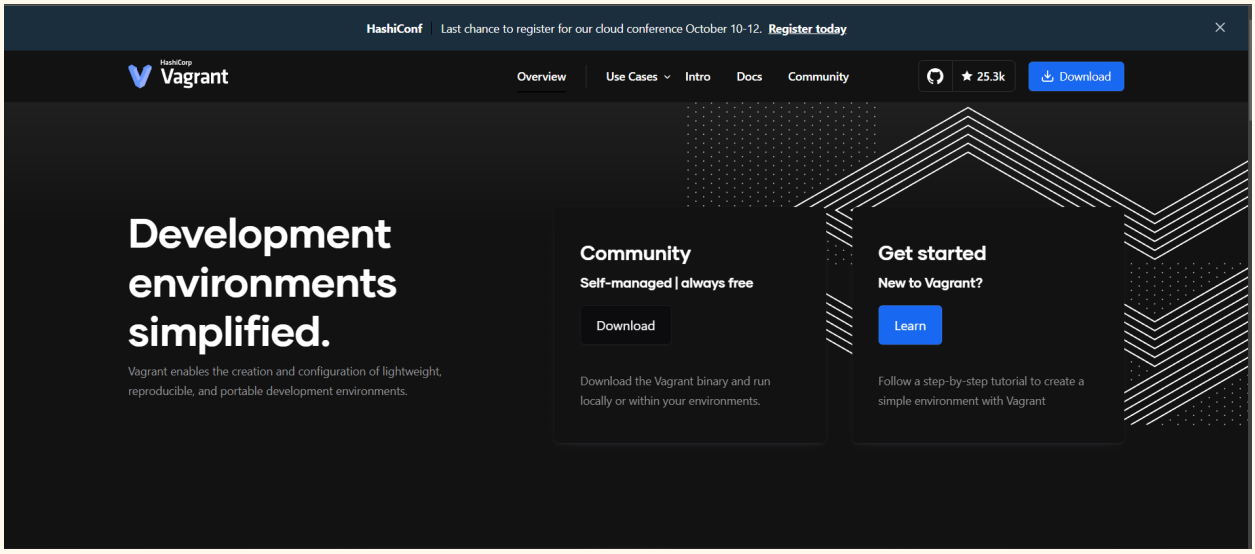
webapp
META-INF
WEB-INF
lib
web.xml
index.jsp
Servers
index.jsp
DobleNServlet
dobleNServlet.java
web.xml
19 super();
20 // TODO Auto-generated constructor stub
21 }
23 /**
24 * @see HttpServlet#doGet(HttpServletRequest request, HttpServletRespor
25 */
26 protected void doGet(HttpServletRequest request, HttpServletResponse re
27 // TODO Auto-generated method stub
28 response.getWriter().append("Served at: ").append(request.getContex
29 }
31 /**
32 * @see HttpServlet#doPost(HttpServletRequest request, HttpServletRespo
33 */
34 protected void doPost(HttpServletRequest request, HttpServletResponse r
35 // TODO Auto-generated method stub
36 String strNumero = request.getParameter("numero");
37 int numero;
38 int doble;
39 numero = Integer.parseInt(strNumero);
40 doble = numero*2;
41 PrintWriter writer = response.getWriter();
42 writer.println("<h1>DOBLE: " + doble + "</h1>");
43 writer.close();
44 }
46 }
Markers Properties Servers Data Source Explorer Snippets Console


File Edit Navigate Search Project Run Window Help
Project Explorer
Apartado3
JAX-WS Web Services
JRE System Library [JavaSE-11]
src/main/java
Server Runtime [apache-tomcat-10.0.10]
build
src
main
java
dobleNServlet.java
webapp
META-INF
WEB-INF
lib
web.xml
index.jsp
Servers
index.jsp
dobleNServle...
web.xml
Estado HTTP...
Insert title...
http://localhost:8080/Apartado3/index.jsp
Introduce un número: 5
Enviar

Actividad 4:

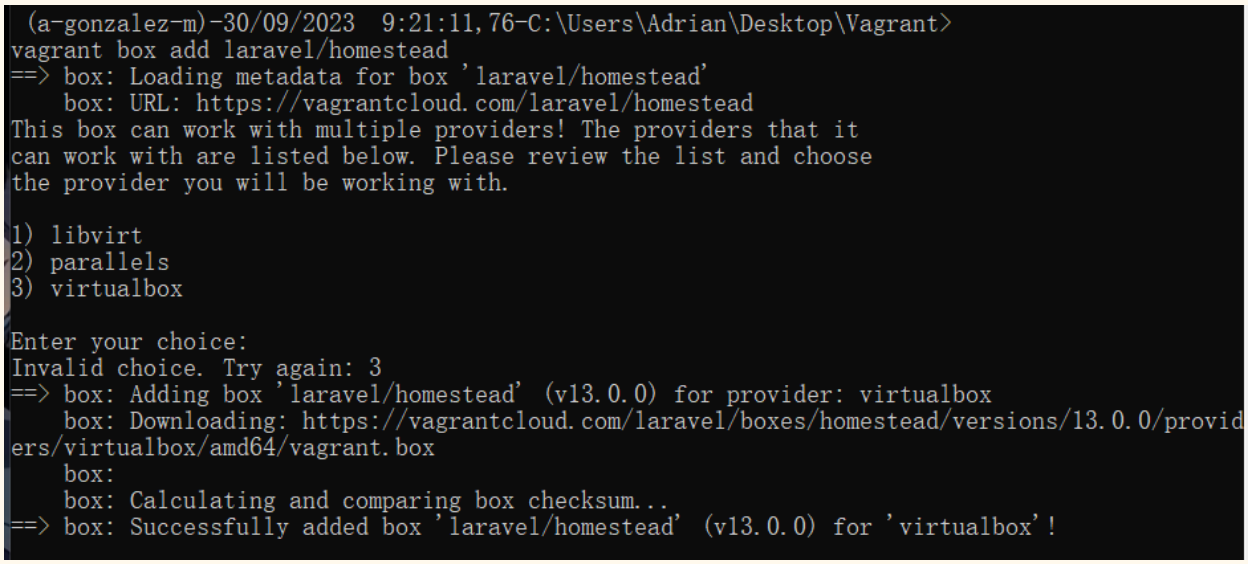
1. Descargar e instalar Vagrant.



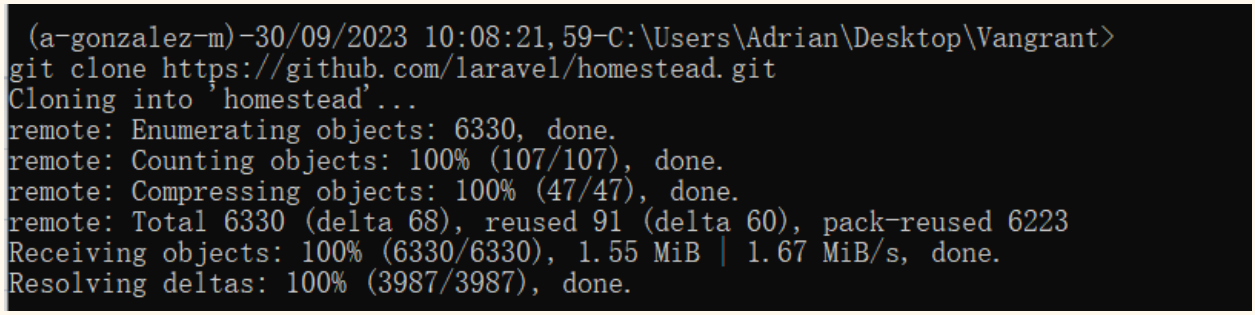
2. Comprobar que la instalación se realizó correctamente lanzando el comando que muestra la versión instalada.

```
(a-gonzalez-m)-30/09/2023  8:58:39,34-C:¥Users¥Adrian>
vagrant --version
Vagrant 2.3.7
```

3. Añadir el proyecto Laravel Homstead seleccionando VirtualBox:



4. Clonar el proyecto de Laravel Homstead en el directorio de trabajo:



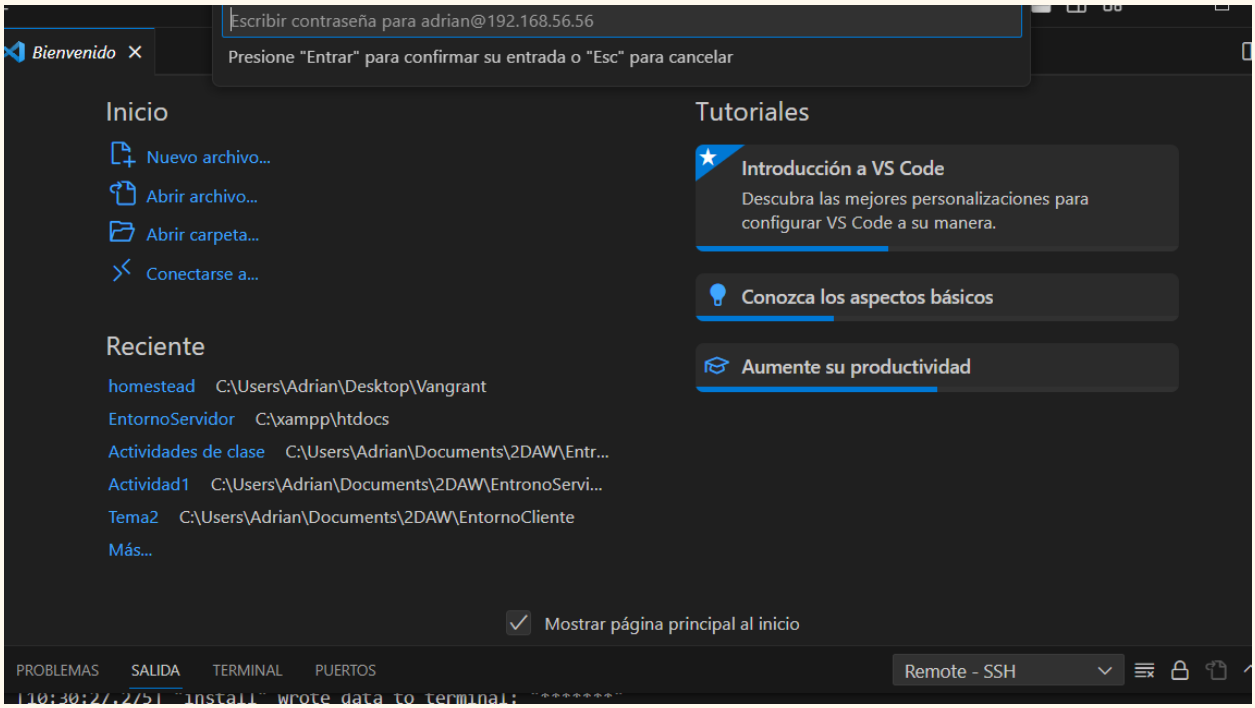
5. . Inicia homstead init.bat

```
 (a-gonzalez-m)-30/09/2023 10:11:17,42-C:\Users\Adrian\Desktop\Vangrant\homestead>
.\init.bat
        1 archivo(s) copiado(s).
        1 archivo(s) copiado(s).
        1 archivo(s) copiado(s).
Homestead initialized!
```

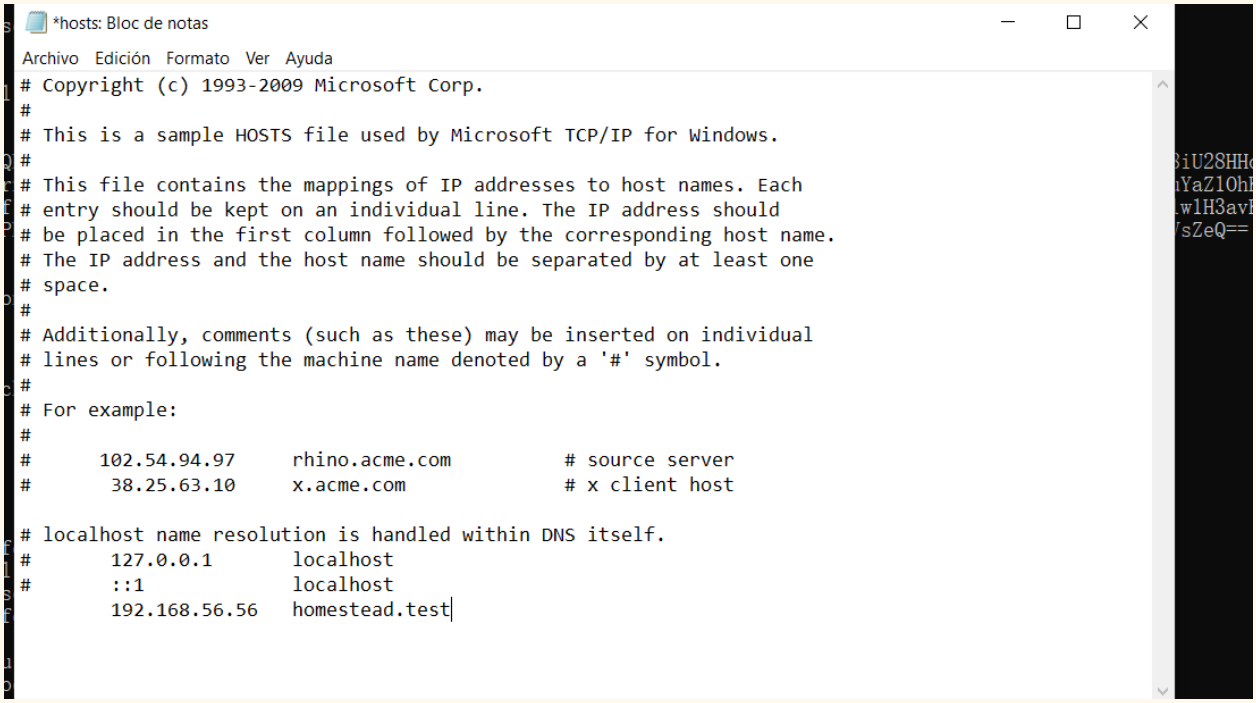
6. Lanza la máquina. vagrant up

```
 (a-gonzalez-m)-30/09/2023 10:12:20,18-C:\Users\Adrian\Desktop\Vangrant\homestead>
vagrant up
Bringing machine 'homestead' up with 'virtualbox' provider...
==> homestead: Importing base box 'laravel/homestead'...
==> homestead: Matching MAC address for NAT networking...
==> homestead: Checking if box 'laravel/homestead' version '13.0.0' is up to date...
==> homestead: Setting the name of the VM: homestead
Vagrant is currently configured to create VirtualBox synced folders with
the `SharedFoldersEnableSymlinksCreate` option enabled. If the Vagrant
guest is not trusted, you may want to disable this option. For more
information on this option, please refer to the VirtualBox manual:

  https://www.virtualbox.org/manual/ch04.html#sharedfolders

This option can be disabled globally with an environment variable:

  VAGRANT_DISABLE_VBOXSYMLINKCREATE=1

or on a per folder basis within the Vagrantfile:

  config.vm.synced_folder '/host/path', '/guest/path', SharedFoldersEnableSymlinksCreate: false
==> homestead: Clearing any previously set network interfaces...
==> homestead: Preparing network interfaces based on configuration...
    homestead: Adapter 1: nat
    homestead: Adapter 2: hostonly
==> homestead: Forwarding ports...
    homestead: 80 (guest) => 8000 (host) (adapter 1)
    homestead: 443 (guest) => 44300 (host) (adapter 1)
    homestead: 22 (guest) => 2222 (host) (adapter 1)
```

7. Conectar pod ssh



8. Modifica el fichero de hosts para asignar nombre y dirección ip del archivo de configuración Homstead.yaml.



9. Crea la máquina