

Installation and running Instruction

Method 1: NetBeans 8.2 JDK 8u111 run
Method 2: Command Prompt run






Method 1 Use NetBeans to run

Step 1: First you need to Accept the License Agreement and download NetBeans 8.2 which JDK virtual platform and JDK 8u111 that match your OS platform. if you do want to download to refer method 2.

Download Link: [Download NetBeans 8.2 with JDK 8u111](#)

You must accept the [JDK 8u111 and NetBeans 8.2 Cobundle License Agreement](#) to download this software.

☐ Accept License Agreement ☒ Decline License Agreement

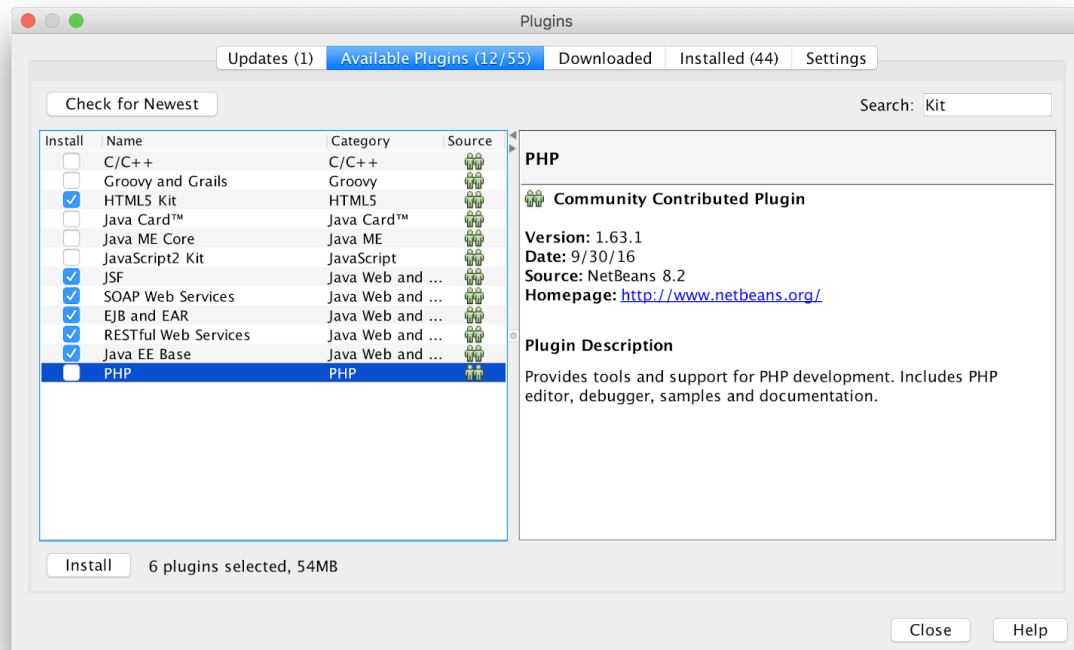
Java SE and NetBeans Cobundle (JDK 8u111 and NB 8.2)		
Product / File Description	File Size	Download
Linux x86	286.73 MB	 jdk-8u111-nb-8_2-linux-i586.sh
Linux x64	282.57 MB	 jdk-8u111-nb-8_2-linux-x64.sh
Mac OS X x64	342.99 MB	 jdk-8u111-nb-8_2-macosx-x64.dmg
Windows x86	317.21 MB	 jdk-8u111-nb-8_2-windows-i586.exe
Windows x64	326.03 MB	 jdk-8u111-nb-8_2-windows-x64.exe

- [License](#)
- [Java SE 8 Readme](#)
- [NB 8.2 3rd Party Readme](#)
- [Installation Instructions](#)
- [Java SE Release Notes](#)
- [NetBeans Release Notes](#)

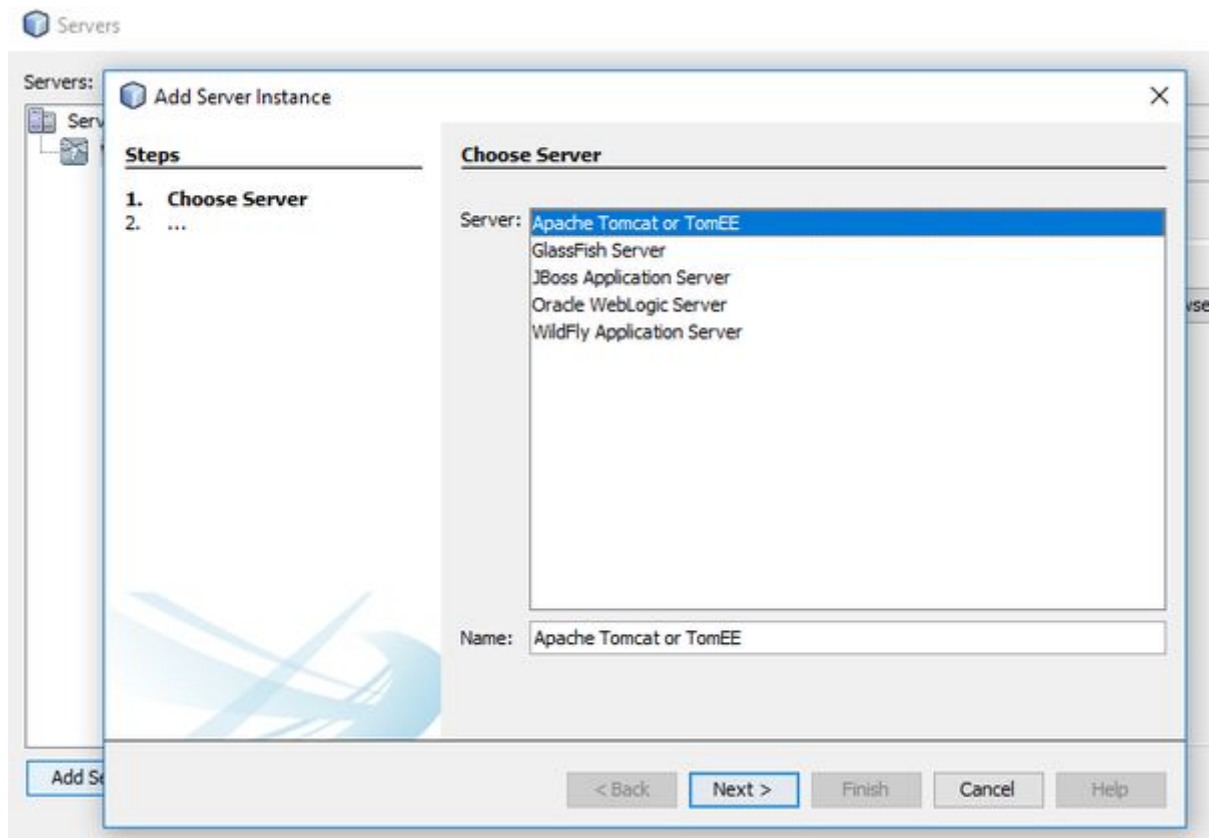
Step 2: Install Netbeans 8.2 with the following instruction to install your NetBeans correctly

URL: [See NetBeans 8.2 8u111 installation instruction](#)

Step 3: After installing NetBeans, you need to install the Java EE platform plugins as shown below inside NetBeans go to Tools > Plugin > Available plugin



Step 4: In NetBeans go to services (Default shortcut keys ctrl + 5) go to servers click (add server) Apache Tomcat or EE and then click “



Step 5: Fill in the
 Server location: \DSA-Group-3-Assignment\server
 Username: admin
 Password: adminpass

Step 6: Clean and Build

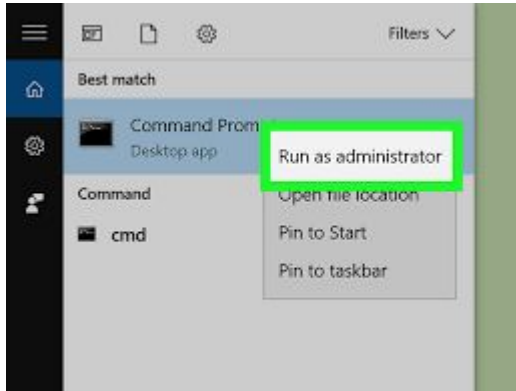
Step 7: Open and run the project

```
ant -f "C:\Users\ITSUKA KOTORI\Documents\GitHub\DSA-Group-3-Assignment\WebApplication" -Dnb.internal.action.name=run
init:
deps-module-jar:
deps-ear-jar:
deps-jar:
library-inclusion-in-archive:
library-inclusion-in-manifest:
compile:
compile-jsp:
Starting Tomcat process...
Waiting for Tomcat...
Tomcat server started.
Undeploying ...
undeploy?path=/WebApplication
OK - Undeployed application at context path [/WebApplication]
In-place deployment at C:\Users\ITSUKA KOTORI\Documents\GitHub\DSA-Group-3-Assignment\WebApplication\build\web
Deployment is in progress...
deploy?config=file%3A%2FC%3A%2FUsers%2FITSUKA%7E1%2FAppData%2FLocal%2FTemp%2Fcontext3613645757002891718.xml&path=/WebAppli
OK - Deployed application at context path [/WebApplication]
Start is in progress...
start?path=/WebApplication
OK - Started application at context path [/WebApplication]
run-deploy:
Browsing: http://localhost:8080/WebApplication
run-display-browser:
run:
BUILD SUCCESSFUL (total time: 3 seconds)
```

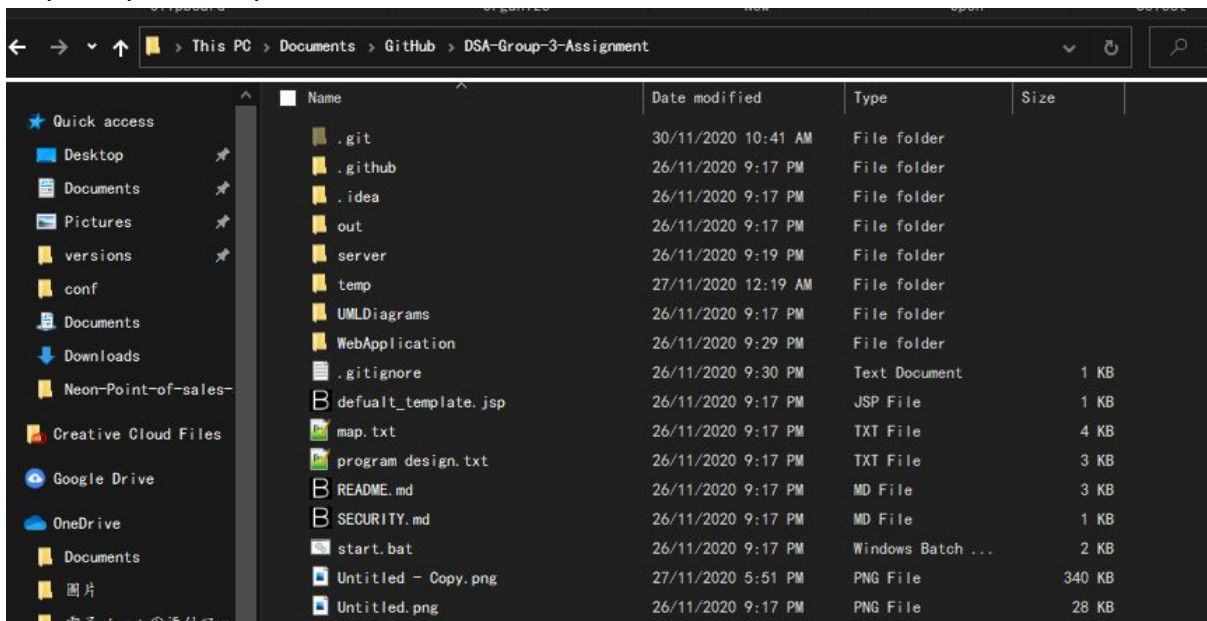
Step 8: Go to browsers and paste the URL: <http://localhost:8080/WebApplication/> and done.

Method 2: command prompt

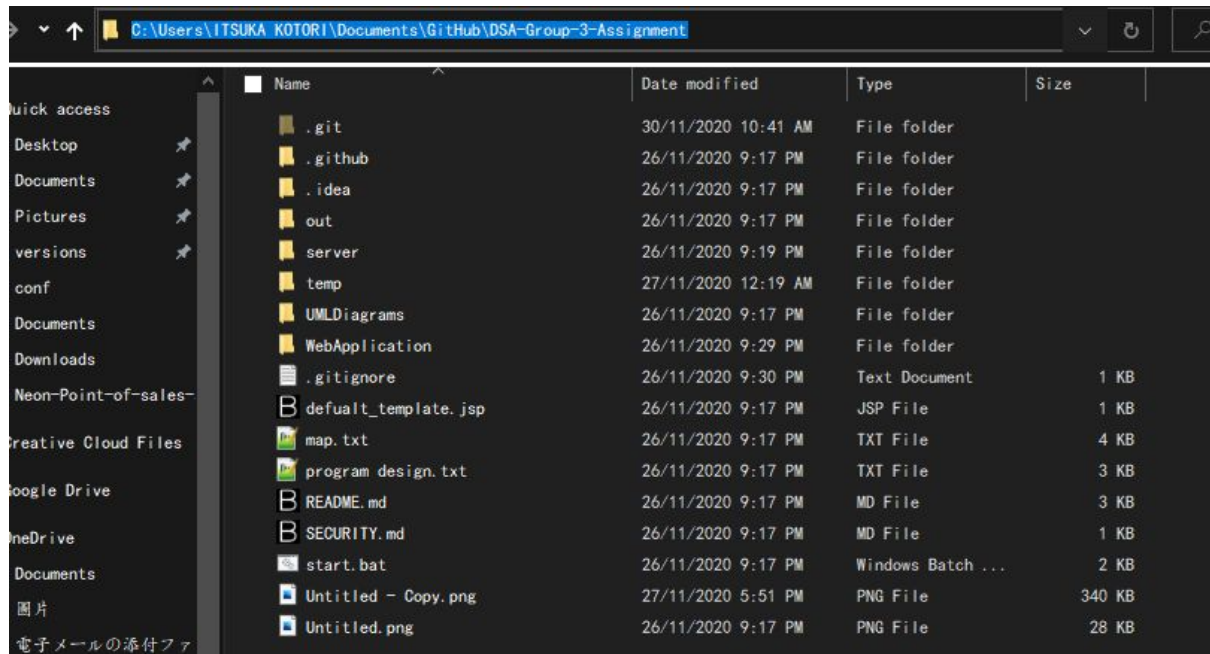
Step 1: Run your command prompt as administrator



Step 2: Open the zip file or GitHub file location



Step 3: Copy the directory



Step 4: In the command prompt execute the following command.

```
> cd <paste the directory you copy>
> start_run_assi.bat
> N
```

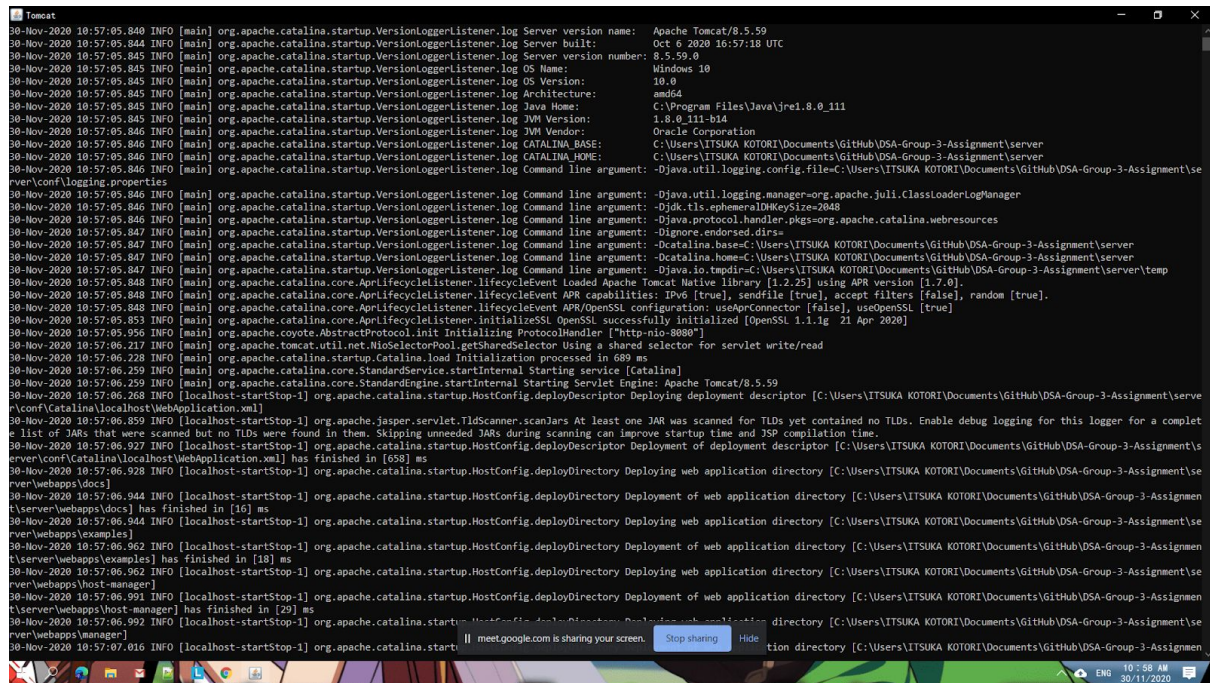
```
Administrator: Command Prompt - start_run_assi.bat
Microsoft Windows [Version 10.0.18363.1198]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Windows\system32>cd C:\Users\ITSUKA KOTORI\Documents\GitHub\DSA-Group-3-Assignment

C:\Users\ITSUKA KOTORI\Documents\GitHub\DSA-Group-3-Assignment>start_run_assi.bat
now system kill the used port 8080
:
=====
Please change your directory to project directory.
=====
:
Do you want change position (Y/N):N
starting apache-tomcat-9.0.29 now
Building nessasary enviroment variable JAVA_HOME with value "C:\Program Files\Java\jdk*"

SUCCESS: Specified value was saved.
start up apache tomcat server now
Using CATALINA_BASE: "C:\Users\ITSUKA KOTORI\Documents\GitHub\DSA-Group-3-Assignment\server"
Using CATALINA_HOME: "C:\Users\ITSUKA KOTORI\Documents\GitHub\DSA-Group-3-Assignment\server"
Using CATALINA_TMPDIR: "C:\Users\ITSUKA KOTORI\Documents\GitHub\DSA-Group-3-Assignment\server\temp"
Using JRE_HOME: "C:\Program Files\Java\jre1.8.0_111"
Using CLASSPATH: "C:\Users\ITSUKA KOTORI\Documents\GitHub\DSA-Group-3-Assignment\server\bin\
UKA KOTORI\Documents\GitHub\DSA-Group-3-Assignment\server\bin\tomcat-juli.jar"
Using CATALINA_OPTS: ""
:
=====
Starting apache tomcat now, please wait a while . . . .
=====
:
Press any key to continue . . .
```

Step 5: If run successfully will pop out the tomcat command prompt interface, don't close this window. Once close mean stop hosting



```

30-Nov-2020 10:57:05.840 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Server version name: Apache Tomcat/8.5.59
30-Nov-2020 10:57:05.844 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Server built: Oct 6 2020 16:57:18 UTC
30-Nov-2020 10:57:05.845 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Server version number: 8.5.59.0
30-Nov-2020 10:57:05.845 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log OS Name: Windows 10
30-Nov-2020 10:57:05.845 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log OS Version: 10.0
30-Nov-2020 10:57:05.845 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Architecture: amd64
30-Nov-2020 10:57:05.845 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Java Home: C:\Program Files\Java\jre1.8.0_111
30-Nov-2020 10:57:05.845 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log JVM Version: 1.8.0_111-b14
30-Nov-2020 10:57:05.846 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log JVM Vendor: Oracle Corporation
30-Nov-2020 10:57:05.846 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log CATALINA_BASE: C:\Users\ITSUKA KOTORI\Documents\GitHub\DSA-Group-3-Assignment\server
30-Nov-2020 10:57:05.846 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log CATALINA_HOME: C:\Users\ITSUKA KOTORI\Documents\GitHub\DSA-Group-3-Assignment\server
30-Nov-2020 10:57:05.846 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Command line argument: -Djava.util.logging.config.file=C:\Users\ITSUKA KOTORI\Documents\GitHub\DSA-Group-3-Assignment\server\conf\logging.properties
30-Nov-2020 10:57:05.846 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Command line argument: -Djava.util.logging.manager=org.apache.juli.ClassLoaderLogManager
30-Nov-2020 10:57:05.846 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Command line argument: -Djdk.tls.ephemeralDHKeySize=2048
30-Nov-2020 10:57:05.846 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Command line argument: -Djava.protocol.handler.pkgs=org.apache.catalina.webresources
30-Nov-2020 10:57:05.847 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Command line argument: -Dcatalina.base=C:\Users\ITSUKA KOTORI\Documents\GitHub\DSA-Group-3-Assignment\server
30-Nov-2020 10:57:05.847 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Command line argument: -Dcatalina.home=C:\Users\ITSUKA KOTORI\Documents\GitHub\DSA-Group-3-Assignment\server
30-Nov-2020 10:57:05.847 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Command line argument: -Djava.io.tmpdir=C:\Users\ITSUKA KOTORI\Documents\GitHub\DSA-Group-3-Assignment\server\temp
30-Nov-2020 10:57:05.848 INFO [main] org.apache.catalina.core.AprLifecycleListener.lifecycleEvent Loaded Apache Tomcat Native library [1.2.25] using APR version [1.7.0].
30-Nov-2020 10:57:05.848 INFO [main] org.apache.catalina.core.AprLifecycleListener.lifecycleEvent APR capabilities: IPv6 [true], sendfile [true], accept filters [false], random [true].
30-Nov-2020 10:57:05.848 INFO [main] org.apache.catalina.core.AprLifecycleListener.lifecycleEvent APR/OpenSSL configuration: useAprConnector [false], useOpenSSL [true]
30-Nov-2020 10:57:05.853 INFO [main] org.apache.catalina.core.AprLifecycleListener.lifecycleEvent OpenSSL successfully initialized [OpenSSL 1.1.1g 21 Apr 2020]
30-Nov-2020 10:57:05.956 INFO [main] org.apache.coyote.AbstractProtocol.init Initializing ProtocolHandler ["http-nio-8080"]
30-Nov-2020 10:57:06.217 INFO [main] org.apache.tomcat.util.net.NioSelectorPool.getSharedSelector Using a shared selector for servlet write/read
30-Nov-2020 10:57:06.228 INFO [main] org.apache.catalina.startup.Catalina.load Initialization processed in 689 ms
30-Nov-2020 10:57:06.259 INFO [main] org.apache.catalina.core.StandardEngine.startInternal Starting service [Catalina]
30-Nov-2020 10:57:06.259 INFO [main] org.apache.catalina.core.StandardEngine.startInternal Starting Servlet Engine: Apache Tomcat/8.5.59
30-Nov-2020 10:57:06.268 INFO [localhost-startStop-1] org.apache.catalina.startup.HostConfig.deployDescriptor Deploying deployment descriptor [C:\Users\ITSUKA KOTORI\Documents\GitHub\DSA-Group-3-Assignment\server\conf\Catalina\localhost\WebApplication.xml]
30-Nov-2020 10:57:06.359 INFO [localhost-startStop-1] org.apache.jasper.servlet.TldScanner.scanJars At least one JAR was scanned for TLDs yet contained no TLDs. Enable debug logging for this logger for a complete list of JARs that were scanned but no TLDs were found in them. Skipping unneeded JARs during scanning can improve startup time and JSP compilation time.
30-Nov-2020 10:57:06.927 INFO [localhost-startStop-1] org.apache.catalina.startup.HostConfig.deployDescriptor Deployment of deployment descriptor [C:\Users\ITSUKA KOTORI\Documents\GitHub\DSA-Group-3-Assignment\server\conf\Catalina\localhost\WebApplication.xml] has finished in [658] ms
30-Nov-2020 10:57:06.928 INFO [localhost-startStop-1] org.apache.catalina.startup.HostConfig.deployDirectory Deploying web application directory [C:\Users\ITSUKA KOTORI\Documents\GitHub\DSA-Group-3-Assignment\server\webapps\docs]
30-Nov-2020 10:57:06.944 INFO [localhost-startStop-1] org.apache.catalina.startup.HostConfig.deployDirectory Deployment of web application directory [C:\Users\ITSUKA KOTORI\Documents\GitHub\DSA-Group-3-Assignment\server\webapps\docs] has finished in [16] ms
30-Nov-2020 10:57:06.944 INFO [localhost-startStop-1] org.apache.catalina.startup.HostConfig.deployDirectory Deploying web application directory [C:\Users\ITSUKA KOTORI\Documents\GitHub\DSA-Group-3-Assignment\server\webapps\examples]
30-Nov-2020 10:57:06.962 INFO [localhost-startStop-1] org.apache.catalina.startup.HostConfig.deployDirectory Deployment of web application directory [C:\Users\ITSUKA KOTORI\Documents\GitHub\DSA-Group-3-Assignment\server\webapps\examples] has finished in [18] ms
30-Nov-2020 10:57:06.962 INFO [localhost-startStop-1] org.apache.catalina.startup.HostConfig.deployDirectory Deploying web application directory [C:\Users\ITSUKA KOTORI\Documents\GitHub\DSA-Group-3-Assignment\server\webapps\host-manager]
30-Nov-2020 10:57:06.991 INFO [localhost-startStop-1] org.apache.catalina.startup.HostConfig.deployDirectory Deployment of web application directory [C:\Users\ITSUKA KOTORI\Documents\GitHub\DSA-Group-3-Assignment\server\webapps\host-manager] has finished in [29] ms
30-Nov-2020 10:57:06.992 INFO [localhost-startStop-1] org.apache.catalina.startup.HostConfig.deployDirectory Deploying web application directory [C:\Users\ITSUKA KOTORI\Documents\GitHub\DSA-Group-3-Assignment\server\webapps\manager]
30-Nov-2020 10:57:07.016 INFO [localhost-startStop-1] org.apache.catalina.startup.HostConfig.deployDirectory Deployment of web application directory [C:\Users\ITSUKA KOTORI\Documents\GitHub\DSA-Group-3-Assignment\server\webapps\manager] has finished in [24] ms
  
```

Step 6: Go to browsers and paste the URL: <http://localhost:8080/WebApplication/> and done.