

# 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.

Download Link:

<https://www.oracle.com/technetwork/java/javase/downloads/jdk-netbeans-jsp-3413139-esa.html>

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

☐ Accept License Agreement ☒ Decline License Agreement

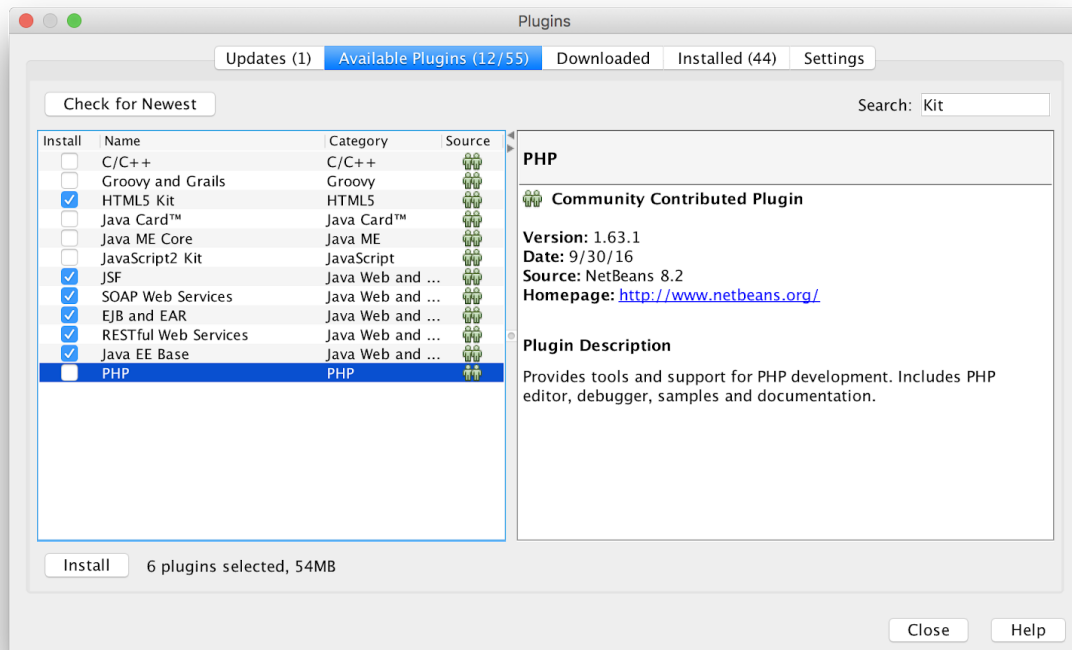
Java SE and NetBeans Cobundle (JDK 8u111 and NB 8.2)		
Product / File Description	File Size	Download
Linux x86	286.73 MB	 <a href="#">jdk-8u111-nb-8_2-linux-i586.sh</a>
Linux x64	282.57 MB	 <a href="#">jdk-8u111-nb-8_2-linux-x64.sh</a>
Mac OS X x64	342.99 MB	 <a href="#">jdk-8u111-nb-8_2-macosx-x64.dmg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

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

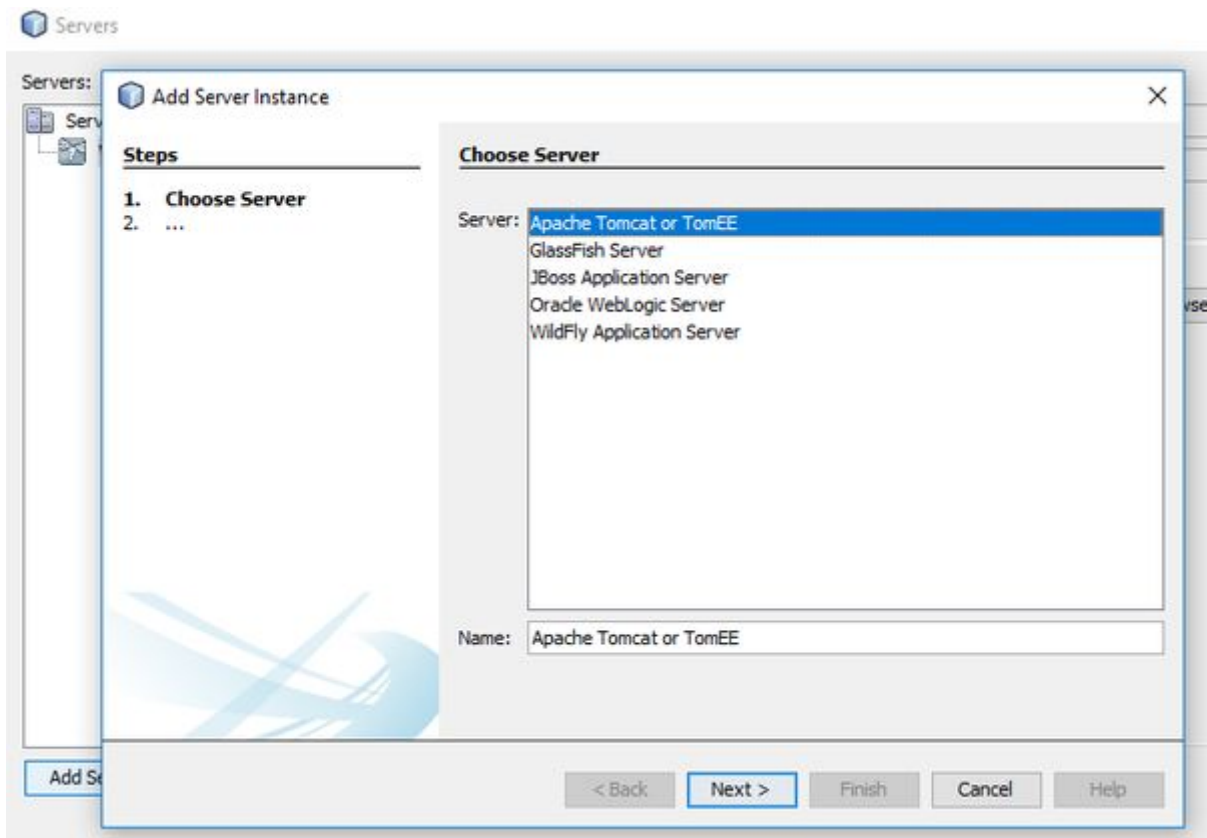
Step 2: Install Netbeans 8.2 with the following instruction to install your NetBeans correctly

URL: <https://www.oracle.com/java/technologies/javase-install-jdk6-22nb691.html>

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

**Add Server Instance**

**Steps**

1. Choose Server
2. **Installation and Login Details**

**Installation and Login Details**

Specify the Server Location (Catalina Home) and login details

Server Location: C:\Program Files\Apache Software Foundation\Tomcat 8.0 **Browse ...**

☐ Use Private Configuration Folder (Catalina Base)

Catalina Base:  **Browse ...**

Enter the credentials of an existing user in the manager or manager-script role

Username:

Password:

☒ Create user if it does not exist

**Specify the Username.**

**< Back** **Next >** **Finish** **Cancel** **Help**

Step 6: Clean and Build

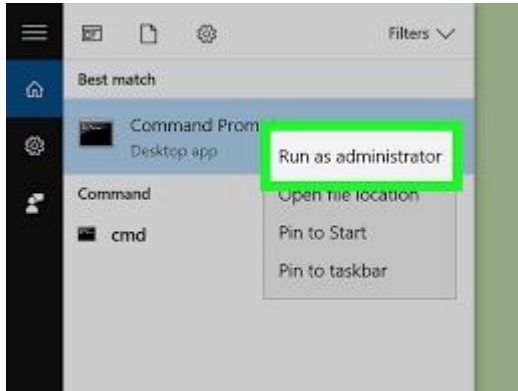
Step 7: Open and run the project

```
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)
```

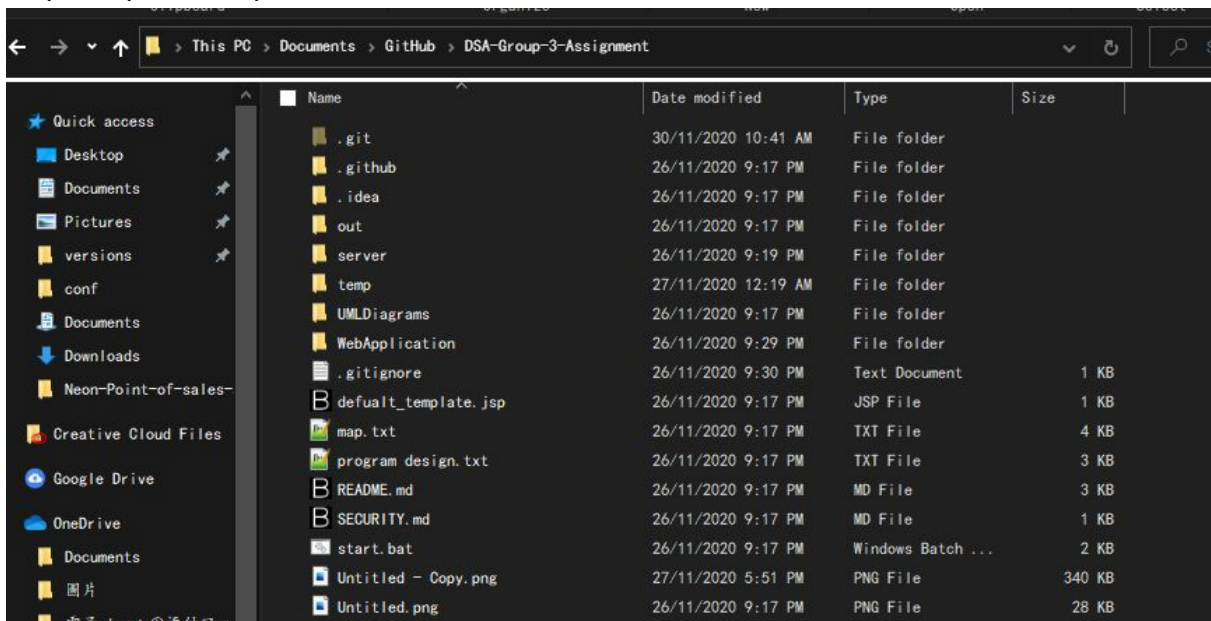
Step 8: Go to browsers and paste the URL: <http://localhost:8080/WebApplication/> and done.

## Method 2: command prompt

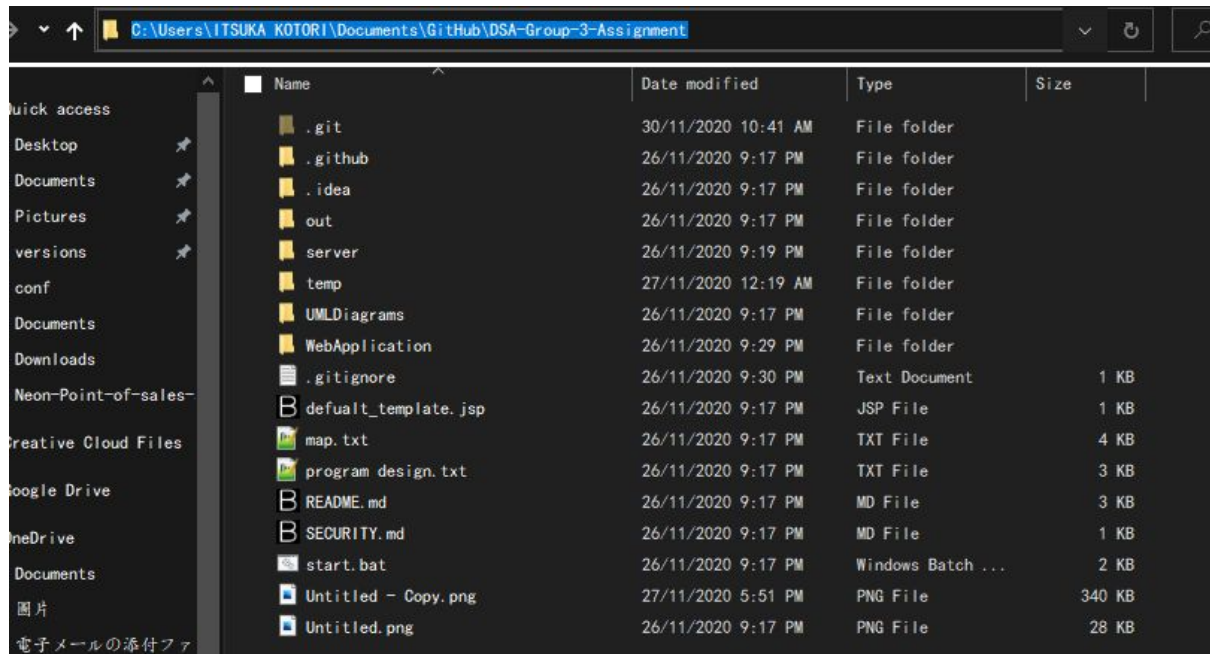
### Step 1: Run your command prompt as administrator



### 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
```

The screenshot shows a Windows Command Prompt window titled 'Administrator: Command Prompt - start\_run\_assi.bat'. The prompt is at `C:\Windows\system32>`. The user enters `cd C:\Users\ITSUKA KOTORI\Documents\GitHub\DSA-Group-3-Assignment`. The prompt moves to `C:\Users\ITSUKA KOTORI\Documents\GitHub\DSA-Group-3-Assignment>` and the user enters `start_run_assi.bat`. The script outputs the following text:

```
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

```
Tomcat
30-Nov-2020 10:57:05.048 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Server version name: Apache Tomcat/8.5.59
30-Nov-2020 10:57:05.044 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Server built: Oct 6 2020 16:57:18 UTC
30-Nov-2020 10:57:05.045 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Server version number: 8.5.59.0
30-Nov-2020 10:57:05.045 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log OS Name: Windows 10
30-Nov-2020 10:57:05.045 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log OS Version: 10.0
30-Nov-2020 10:57:05.045 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Architecture: amd64
30-Nov-2020 10:57:05.045 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Java Home: C:\Program Files\Java\jre1.8.0_111
30-Nov-2020 10:57:05.045 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log JVM Version: 1.8.0_111-b14
30-Nov-2020 10:57:05.046 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log JVM Vendor: Oracle Corporation
30-Nov-2020 10:57:05.046 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log CATALINA_BASE: C:\Users\ITSUKA KOTORI\Documents\Github\DSA-Group-3-Assignment\server
30-Nov-2020 10:57:05.046 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log CATALINA_HOME: C:\Users\ITSUKA KOTORI\Documents\Github\DSA-Group-3-Assignment\server
30-Nov-2020 10:57:05.046 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 10:57:05.046 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Command line argument: -Djava.util.logging.manager=org.apache.juli.ClassLoaderLogManager
30-Nov-2020 10:57:05.046 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Command line argument: -Djdk.tls.ephemeralDHKeySize=2048
30-Nov-2020 10:57:05.046 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Command line argument: -Djava.protocol.handler.pkgs=org.apache.catalina.webresources
30-Nov-2020 10:57:05.047 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Command line argument: -Dignore.endorsed.dirs=
30-Nov-2020 10:57:05.047 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 10:57:05.047 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 10:57:05.047 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 10:57:05.048 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 10:57:05.048 INFO [main] org.apache.catalina.core.AprLifecycleListener.lifecycleEvent APR capabilities: IPv6 [true], sendfile [true], accept filters [false], random [true].
30-Nov-2020 10:57:05.053 INFO [main] org.apache.catalina.core.AprLifecycleListener.lifecycleEvent APR/OpenSSL configuration: useAprConnector [false], useOpenSSL [true]
30-Nov-2020 10:57:05.050 INFO [main] org.apache.catalina.core.AprLifecycleListener.lifecycleEvent Initializing OpenSSL successfully initialized [OpenSSL 1.1.1g 21 Apr 2020]
30-Nov-2020 10:57:05.050 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.StandardService.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 10:57:06.859 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
30-Nov-2020 10:57:07.016 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] has finished in [24] ms
```

## Step 7: Go to browsers and paste the URL: <http://localhost:8080/WebApplication/> and done.