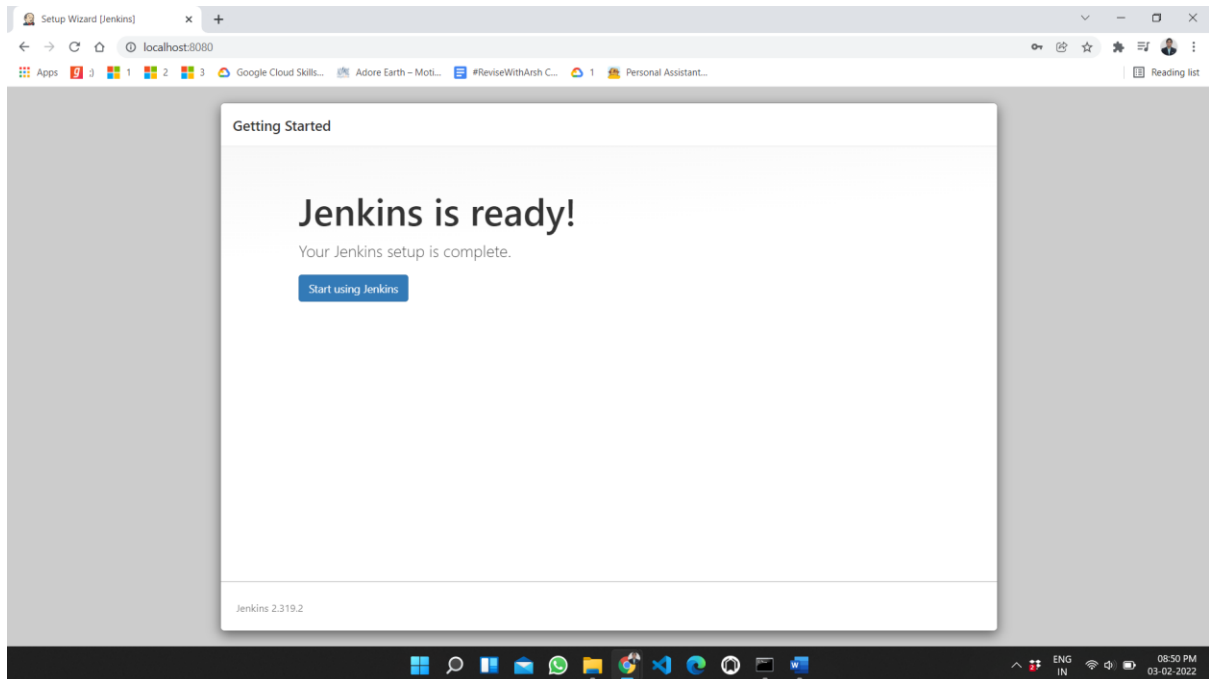


PS-VI

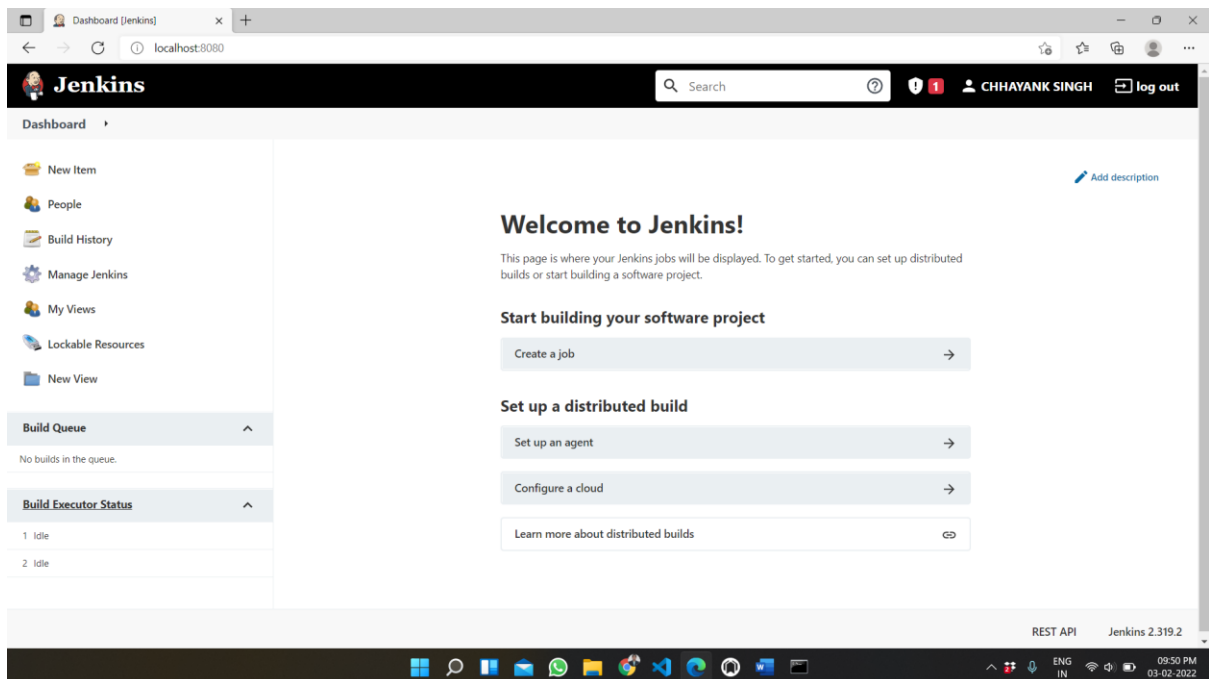
Assignment-3

GRP-3{45,47,48}

Jenkins installation:



Running it on server:



Tomcat installation:

PS-VI

Assignment-3

GRP-3{45,47,48}

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.22000.469]
(c) Microsoft Corporation. All rights reserved.

C:\Tomcat\apache-tomcat-10.0.16\bin>startup
Using CATALINA_BASE:   "C:\Tomcat\apache-tomcat-10.0.16"
Using CATALINA_HOME:   "C:\Tomcat\apache-tomcat-10.0.16"
Using CATALINA_TMPDIR: "C:\Tomcat\apache-tomcat-10.0.16\temp"
Using JRE_HOME:        "C:\Program Files\Java\jdk-11.0.14"
Using CLASSPATH:       "C:\Tomcat\apache-tomcat-10.0.16\bin\bootstrap.jar;C:\Tomcat\apache-tomcat-10.0.16\bin\tomcat-juli.jar"
Using CATALINA_OPTS:   ""
C:\Tomcat\apache-tomcat-10.0.16\bin>
```

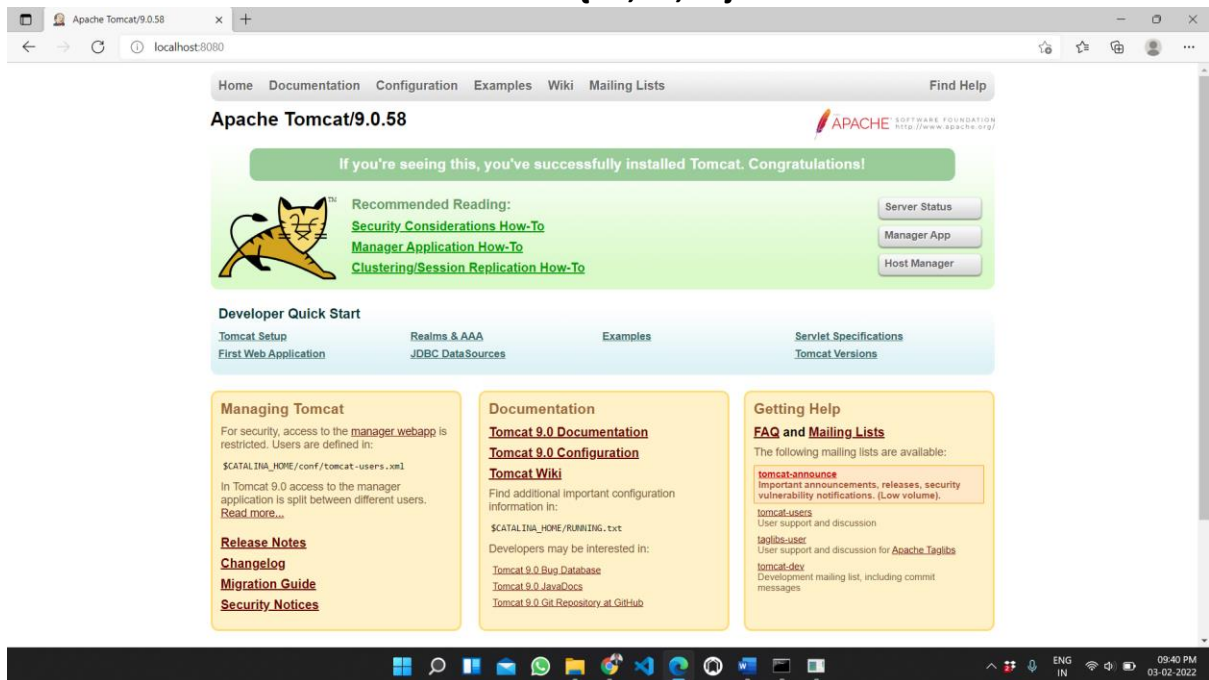
```
Tomcat
org.apache.catalina.LifecycleException: Protocol handler initialization failed
    at org.apache.catalina.connector.Connector.initInternal(Connector.java:1055)
    at org.apache.catalina.util.LifecycleBase.init(LifecycleBase.java:136)
    at org.apache.catalina.core.StandardService.initInternal(StandardService.java:556)
    at org.apache.catalina.util.LifecycleBase.init(LifecycleBase.java:136)
    at org.apache.catalina.core.StandardServer.initInternal(StandardServer.java:1042)
    at org.apache.catalina.util.LifecycleBase.init(LifecycleBase.java:136)
    at org.apache.catalina.startup.Catalina.load(Catalina.java:747)
    at org.apache.catalina.startup.Catalina.load(Catalina.java:769)
    at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
    at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
    at java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
    at java.base/java.lang.reflect.Method.invoke(Method.java:566)
    at org.apache.catalina.startup.Bootstrap.load(Bootstrap.java:305)
    at org.apache.catalina.startup.Bootstrap.main(Bootstrap.java:475)
Caused by: java.net.BindException: Address already in use: bind
    at java.base/sun.nio.ch.Net.bind0(Native Method)
    at java.base/sun.nio.ch.Net.bind(Net.java:459)
    at java.base/sun.nio.ch.Net.bind(Net.java:448)
    at java.base/sun.nio.ch.ServerSocketChannelImpl.bind(ServerSocketChannelImpl.java:227)
    at org.apache.tomcat.util.net.NioEndpoint.initServerSocket(NioEndpoint.java:244)
    at org.apache.tomcat.util.net.NioEndpoint.bind(NioEndpoint.java:199)
    at org.apache.tomcat.util.net.AbstractEndpoint.bindWithCleanup(AbstractEndpoint.java:1184)
    at org.apache.tomcat.util.net.AbstractEndpoint.init(AbstractEndpoint.java:1197)
    at org.apache.coyote.AbstractProtocol.init(AbstractProtocol.java:1580)
    at org.apache.coyote.http11.AbstractHttp11Protocol.init(AbstractHttp11Protocol.java:82)
    at org.apache.catalina.connector.Connector.initInternal(Connector.java:1052)
    ... 13 more
03-Feb-2022 21:26:24.588 INFO [main] org.apache.catalina.startup.Catalina.load Server initialization in [854] milliseconds
03-Feb-2022 21:26:24.595 INFO [main] org.apache.catalina.core.StandardService.startInternal Starting service [Catalina]
03-Feb-2022 21:26:24.595 INFO [main] org.apache.catalina.core.StandardEngine.startInternal Starting Servlet engine: [Apache Tomcat/10.0.16]
03-Feb-2022 21:26:24.633 INFO [main] org.apache.catalina.startup.HostConfig.deployWAR Deploying web application archive [C:\Tomcat\apache-tomcat-10.0.16\webapps\jenkins.war]
03-Feb-2022 21:26:31.600 INFO [main] 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 unnecessary JARs during scanning can improve startup time and JSP compilation time.
03-Feb-2022 21:26:31.626 SEVERE [main] org.apache.catalina.core.StandardContext.startInternal One or more listeners failed to start. Full details will be found in the appropriate container log file
03-Feb-2022 21:26:31.793 WARNING [main] org.apache.catalina.util.SessionIdGeneratorBase.createSecureRandom Creation of SecureRandom instance for session ID generation using [SHA1PRNG] took [166] milliseconds.
03-Feb-2022 21:26:31.794 SEVERE [main] org.apache.catalina.core.StandardContext.startInternal Context [/jenkins] startup failed due to previous errors
03-Feb-2022 21:26:31.888 INFO [main] org.apache.catalina.startup.HostConfig.deployWAR Deployment of web application archive [C:\Tomcat\apache-tomcat-10.0.16\webapps\jenkins.war] has finished in [7,175] ms
03-Feb-2022 21:26:31.889 INFO [main] org.apache.catalina.startup.HostConfig.deployDirectory Deploying web application directory [C:\Tomcat\apache-tomcat-10.0.16\webapps\docs]
03-Feb-2022 21:26:31.859 INFO [main] org.apache.catalina.startup.HostConfig.deployDirectory Deployment of web application directory [C:\Tomcat\apache-tomcat-10.0.16\webapps\docs] has finished in [50] ms
03-Feb-2022 21:26:31.860 INFO [main] org.apache.catalina.startup.HostConfig.deployDirectory Deploying web application directory [C:\Tomcat\apache-tomcat-10.0.16\webapps\examples]
03-Feb-2022 21:26:32.190 INFO [main] org.apache.catalina.startup.HostConfig.deployDirectory Deployment of web application directory [C:\Tomcat\apache-tomcat-10.0.16\webapps\examples] has finished in [330] ms
03-Feb-2022 21:26:32.191 INFO [main] org.apache.catalina.startup.HostConfig.deployDirectory Deploying web application directory [C:\Tomcat\apache-tomcat-10.0.16\webapps\host-manager]
03-Feb-2022 21:26:32.228 INFO [main] org.apache.catalina.startup.HostConfig.deployDirectory Deployment of web application directory [C:\Tomcat\apache-tomcat-10.0.16\webapps\host-manager] has finished in [36] ms
03-Feb-2022 21:26:32.228 INFO [main] org.apache.catalina.startup.HostConfig.deployDirectory Deploying web application directory [C:\Tomcat\apache-tomcat-10.0.16\webapps\manager]
03-Feb-2022 21:26:32.288 INFO [main] org.apache.catalina.startup.HostConfig.deployDirectory Deployment of web application directory [C:\Tomcat\apache-tomcat-10.0.16\webapps\manager] has finished in [59] ms
03-Feb-2022 21:26:32.291 INFO [main] org.apache.catalina.startup.HostConfig.deployDirectory Deploying web application directory [C:\Tomcat\apache-tomcat-10.0.16\webapps\ROOT]
03-Feb-2022 21:26:32.330 INFO [main] org.apache.catalina.startup.HostConfig.deployDirectory Deployment of web application directory [C:\Tomcat\apache-tomcat-10.0.16\webapps\ROOT] has finished in [39] ms
03-Feb-2022 21:26:32.339 INFO [main] org.apache.catalina.startup.Catalina.start Server startup in [7830] milliseconds
```

Running it on server:

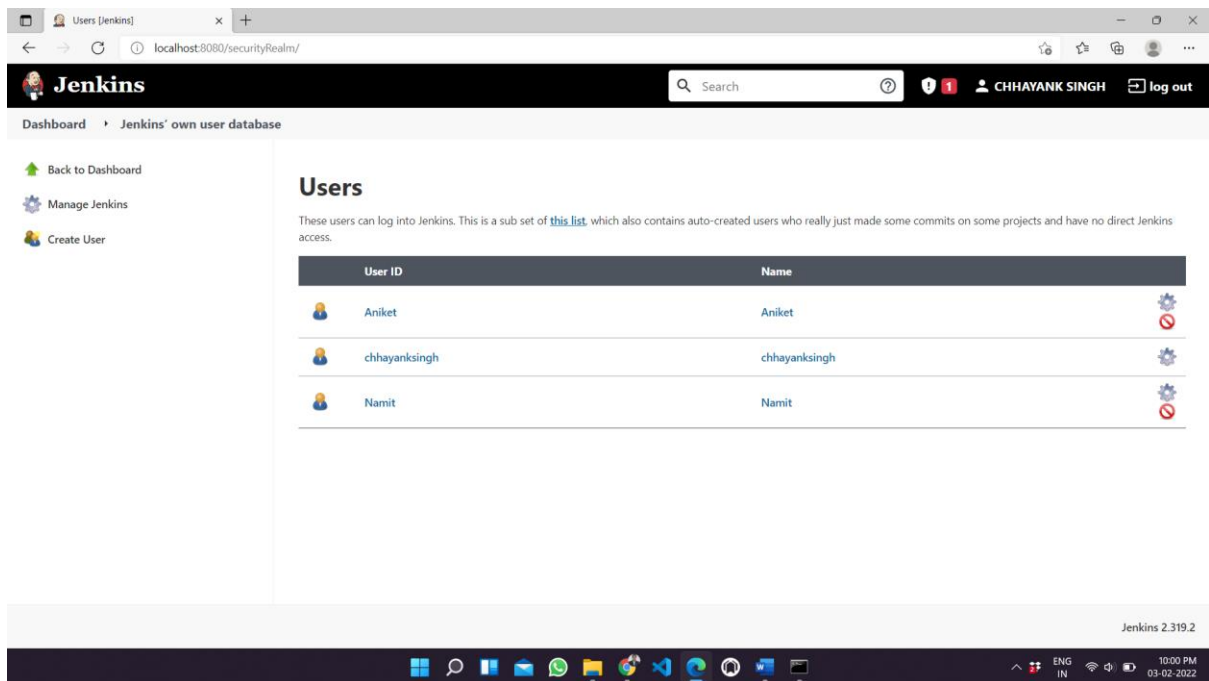
PS-VI

Assignment-3

GRP-3{45,47,48}



Create User:



Assigning role:

PS-VI

Assignment-3

GRP-3{45,47,48}

The screenshot shows the 'Configure Global Security' page in Jenkins. The 'Matrix-based security' section is selected, showing a table of permissions for various users and groups. The table has columns for 'User/group', 'Overall', 'Credentials', 'Agent', 'Job', 'Run', 'View', 'SCM', and 'Lockable Resources'. The 'User/group' column lists 'Anonymous', 'Authenticated Users', 'CHHAVANK SINGH', 'Aniket Singh', and 'Namit Singh'. The 'Overall' column has checkboxes for 'Administer', 'Read', 'Create', 'Delete', 'Update', 'View', 'Build', 'Connect', 'Disconnect', 'Cancel', 'Configure', 'Discover', 'Move', 'Workspace', 'Replay', 'Update', 'Create', 'Delete', 'Tag', 'Reserve', 'Unlock', and 'View'. The 'Credentials' column has checkboxes for 'Manage', 'Create', 'Delete', and 'Update'. The 'Agent' column has checkboxes for 'View', 'Build', 'Connect', 'Disconnect', 'Cancel', 'Configure', 'Discover', 'Move', 'Workspace', 'Replay', 'Update', 'Create', 'Delete', 'Tag', 'Reserve', 'Unlock', and 'View'. The 'Job' column has checkboxes for 'Build', 'Cancel', 'Configure', 'Discover', 'Move', 'Workspace', 'Replay', 'Update', 'Create', 'Delete', 'Tag', 'Reserve', 'Unlock', and 'View'. The 'Run' column has checkboxes for 'Build', 'Cancel', 'Configure', 'Discover', 'Move', 'Workspace', 'Replay', 'Update', 'Create', 'Delete', 'Tag', 'Reserve', 'Unlock', and 'View'. The 'View' column has checkboxes for 'Build', 'Cancel', 'Configure', 'Discover', 'Move', 'Workspace', 'Replay', 'Update', 'Create', 'Delete', 'Tag', 'Reserve', 'Unlock', and 'View'. The 'SCM' column has checkboxes for 'Build', 'Cancel', 'Configure', 'Discover', 'Move', 'Workspace', 'Replay', 'Update', 'Create', 'Delete', 'Tag', 'Reserve', 'Unlock', and 'View'. The 'Lockable Resources' column has checkboxes for 'Build', 'Cancel', 'Configure', 'Discover', 'Move', 'Workspace', 'Replay', 'Update', 'Create', 'Delete', 'Tag', 'Reserve', 'Unlock', and 'View'. Below the table, there are buttons for 'Add user...' and 'Add group...'. The 'Markup Formatter' section is also visible, with a 'Save' button.

Jenkins JOB:

The screenshot shows the Jenkins Dashboard. The 'Build Queue' section shows 'No builds in the queue.' The 'Build Executor Status' section shows '1 Idle' and '2 Idle'. The 'All' tab is selected, showing a table of builds. The table has columns for 'S', 'W', 'Name', 'Last Success', 'Last Failure', and 'Last Duration'. The 'S' column has a green checkmark. The 'W' column has a gear icon. The 'Name' column shows 'Test1'. The 'Last Success' column shows '1 min 5 sec - #10'. The 'Last Failure' column shows 'N/A'. The 'Last Duration' column shows '1.4 sec'. Below the table, there are buttons for 'Icon legend', 'Atom feed for all', 'Atom feed for failures', and 'Atom feed for just latest builds'. The 'REST API' and 'Jenkins 2.319.2' are also visible.