

JENKINS ASSIGNMENT

Divya sawant

Assignment 1

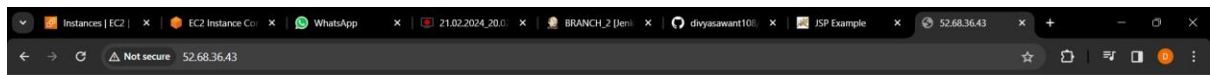
The screenshot shows the Jenkins Dashboard interface. The top navigation bar includes the Jenkins logo, a search bar, and user information for Divya Santosh Sawant. The left sidebar contains links for New Item, People, Build History, Manage Jenkins, and My Views. The main content area displays the 'All' view of build history. A table lists recent builds with columns for status (S), warnings (W), name, last success, last failure, and last duration. Below the table, the 'Build Queue' section shows no builds in the queue, and the 'Build Executor Status' section shows two idle executors. The bottom of the screenshot shows a Windows taskbar with various application icons and system tray information.

S	W	Name	Last Success	Last Failure	Last Duration
✓	⚠	branch-3	2 min 44 sec #1	N/A	2.3 sec
✓	⚠	BRANCH_2	5 min 11 sec #1	N/A	3.6 sec
✓	⚠	BRANCH_1	9 min 47 sec #1	N/A	7.9 sec
✓	⚠	CICD	38 min #1	N/A	18 sec

52.68.36.43/jenkins/job/BRANCH_1/

this is 2024_1 branch

The screenshot shows a Windows taskbar with various application icons, a search bar, and system tray information including the date and time (23:39, 25-02-2024).



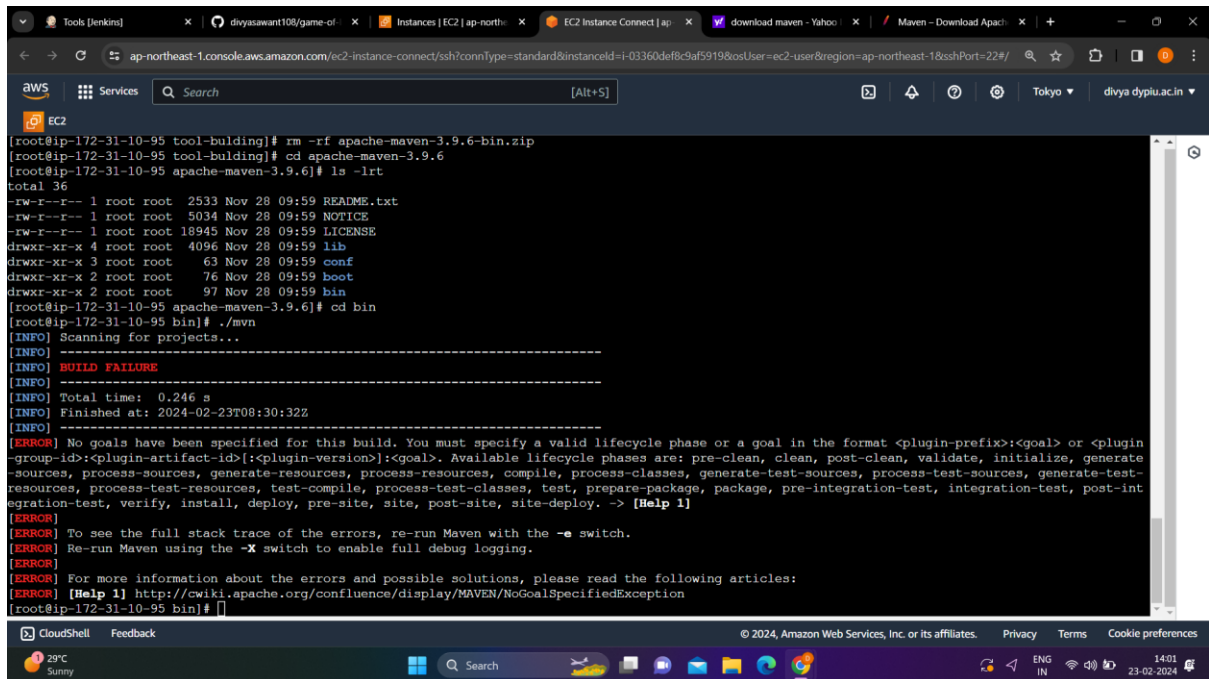
this is 2024_2 branch



this is 2024_3 branch

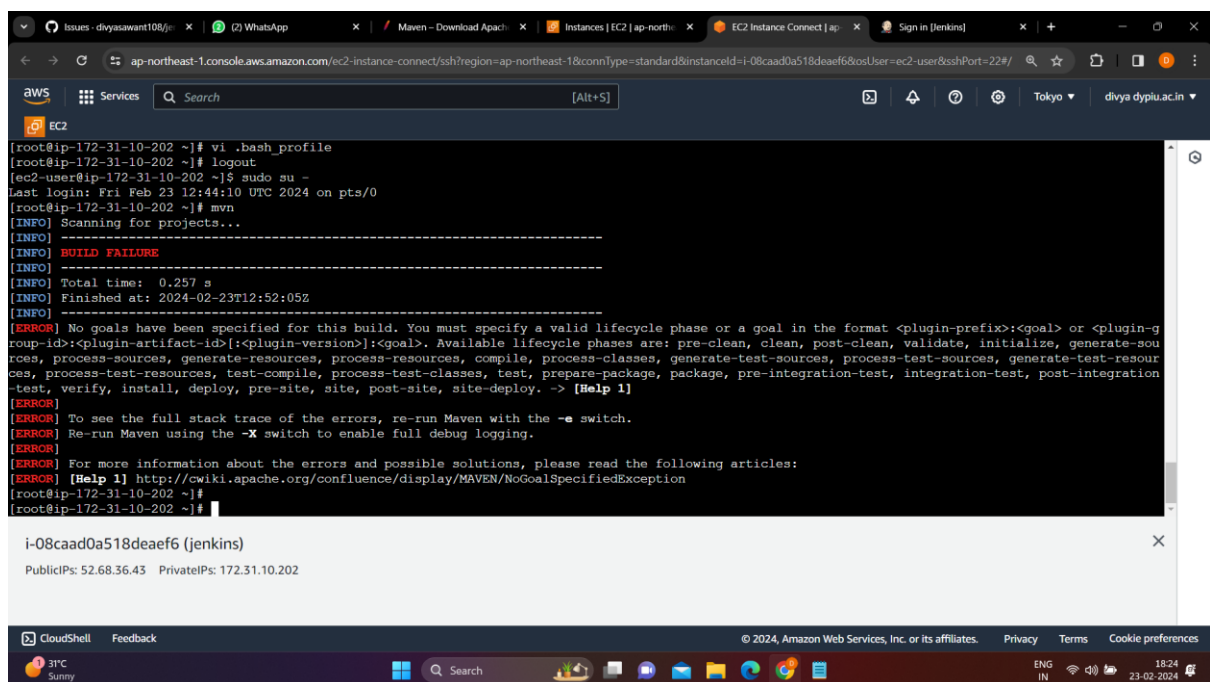


Assignment 2



The screenshot shows a terminal window within the AWS CloudShell interface. The user is logged in as root on an EC2 instance. They have removed an old Maven directory and navigated to a new one. They run 'ls -ltr' showing files like README.txt, NOTICE, LICENSE, lib, conf, boot, and bin. Then they run 'cd bin' and './mvn'. The output shows 'Scanning for projects...' followed by a 'BUILD FAILURE' message. The error message states: 'No goals have been specified for this build. You must specify a valid lifecycle phase or a goal in the format <plugin-prefix>:<goal> or <plugin-group-id>:<plugin-artifact-id>[:<plugin-version>]:<goal>. Available lifecycle phases are: pre-clean, clean, post-clean, validate, initialize, generate-sources, process-sources, generate-resources, compile, process-classes, generate-test-sources, process-test-sources, generate-test-resources, process-test-resources, test-compile, process-test-classes, test, prepare-package, package, pre-integration-test, integration-test, post-integration-test, verify, install, deploy, pre-site, site, post-site, site-deploy. -> [Help 1]'. The terminal also shows the total time (0.246 s) and the finish time (2024-02-23T08:30:32Z). The bottom of the screen shows the AWS CloudShell interface with a search bar and various icons.

```
[root@ip-172-31-10-95 tool-bulding]# rm -rf apache-maven-3.9.6-bin.zip
[root@ip-172-31-10-95 tool-bulding]# cd apache-maven-3.9.6
[root@ip-172-31-10-95 apache-maven-3.9.6]# ls -ltr
total 36
-rw-r--r-- 1 root root 2533 Nov 28 09:59 README.txt
-rw-r--r-- 1 root root 5034 Nov 28 09:59 NOTICE
-rw-r--r-- 1 root root 18945 Nov 28 09:59 LICENSE
drwxr-xr-x 4 root root 4096 Nov 28 09:59 lib
drwxr-xr-x 3 root root 63 Nov 28 09:59 conf
drwxr-xr-x 2 root root 76 Nov 28 09:59 boot
drwxr-xr-x 2 root root 97 Nov 28 09:59 bin
[root@ip-172-31-10-95 apache-maven-3.9.6]# cd bin
[root@ip-172-31-10-95 bin]# ./mvn
[INFO] Scanning for projects...
[INFO] BUILD FAILURE
[INFO]
[INFO] Total time: 0.246 s
[INFO] Finished at: 2024-02-23T08:30:32Z
[INFO]
[ERROR] No goals have been specified for this build. You must specify a valid lifecycle phase or a goal in the format <plugin-prefix>:<goal> or <plugin-group-id>:<plugin-artifact-id>[:<plugin-version>]:<goal>. Available lifecycle phases are: pre-clean, clean, post-clean, validate, initialize, generate-sources, process-sources, generate-resources, compile, process-classes, generate-test-sources, process-test-sources, generate-test-resources, process-test-resources, test-compile, process-test-classes, test, prepare-package, package, pre-integration-test, integration-test, post-integration-test, verify, install, deploy, pre-site, site, post-site, site-deploy. -> [Help 1]
[ERROR]
[ERROR] To see the full stack trace of the errors, re-run Maven with the -e switch.
[ERROR] Re-run Maven using the -X switch to enable full debug logging.
[ERROR]
[ERROR] For more information about the errors and possible solutions, please read the following articles:
[ERROR] [Help 1] http://cwiki.apache.org/confluence/display/MAVEN/NoGoalSpecifiedException
[root@ip-172-31-10-95 bin]#
```



The screenshot shows a terminal window within the AWS CloudShell interface. The user is logged in as root on an EC2 instance. They run 'vi .bash_profile', 'logout', and 'sudo su -'. The output shows the last login time (Fri Feb 23 12:44:10 UTC 2024 on pts/0). Then they run 'mvn'. The output shows 'Scanning for projects...' followed by a 'BUILD FAILURE' message. The error message is identical to the one in the first screenshot. The terminal also shows the total time (0.257 s) and the finish time (2024-02-23T12:52:05Z). Below the terminal output, there is a Jenkins job output section showing the job name 'i-08caad0a518deaf6 (jenkins)' and the public and private IP addresses (PublicIPs: 52.68.36.43, PrivateIPs: 172.31.10.202). The bottom of the screen shows the AWS CloudShell interface with a search bar and various icons.

```
[root@ip-172-31-10-202 ~]# vi .bash_profile
[root@ip-172-31-10-202 ~]# logout
[ec2-user@ip-172-31-10-202 ~]$ sudo su -
Last login: Fri Feb 23 12:44:10 UTC 2024 on pts/0
[root@ip-172-31-10-202 ~]# mvn
[INFO] Scanning for projects...
[INFO] BUILD FAILURE
[INFO]
[INFO] Total time: 0.257 s
[INFO] Finished at: 2024-02-23T12:52:05Z
[INFO]
[ERROR] No goals have been specified for this build. You must specify a valid lifecycle phase or a goal in the format <plugin-prefix>:<goal> or <plugin-group-id>:<plugin-artifact-id>[:<plugin-version>]:<goal>. Available lifecycle phases are: pre-clean, clean, post-clean, validate, initialize, generate-sources, process-sources, generate-resources, compile, process-classes, generate-test-sources, process-test-sources, generate-test-resources, process-test-resources, test-compile, process-test-classes, test, prepare-package, package, pre-integration-test, integration-test, post-integration-test, verify, install, deploy, pre-site, site, post-site, site-deploy. -> [Help 1]
[ERROR]
[ERROR] To see the full stack trace of the errors, re-run Maven with the -e switch.
[ERROR] Re-run Maven using the -X switch to enable full debug logging.
[ERROR]
[ERROR] For more information about the errors and possible solutions, please read the following articles:
[ERROR] [Help 1] http://cwiki.apache.org/confluence/display/MAVEN/NoGoalSpecifiedException
[root@ip-172-31-10-202 ~]#
[root@ip-172-31-10-202 ~]#
```

i-08caad0a518deaf6 (jenkins)
PublicIPs: 52.68.36.43 PrivateIPs: 172.31.10.202

divyasawant108/pro... (2) WhatsApp Meet - gzu-kmp... Maven - Download... Instances | EC2 | ap... EC2 Instance Conne... CICD Config [Jenkins]

← → ↻ Not secure 52.68.36.43:8080/jenkins/job/CICD/configure

Dashboard > CICD > Configuration

Configure

- General
- Source Code Management
- Build Triggers
- Build Environment
- Build Steps
- Post-build Actions

Goals
clean install

Advanced

Add build step

Post-build Actions

Add post-build action

Save Apply

REST API Jenkins 2.426.3

31°C Sunny

Instances | EC2 | ap-north-... EC2 Instance Connect | ap... WhatsApp 21.02.2024_20.02.48_REC... CICD #1 Console [Jenkins] divyasawant108/project...

← → ↻ Not secure 52.68.36.43:8080/jenkins/job/CICD/1/console

Dashboard > CICD > #1 > Console Output

Changes

Console Output

View as plain text

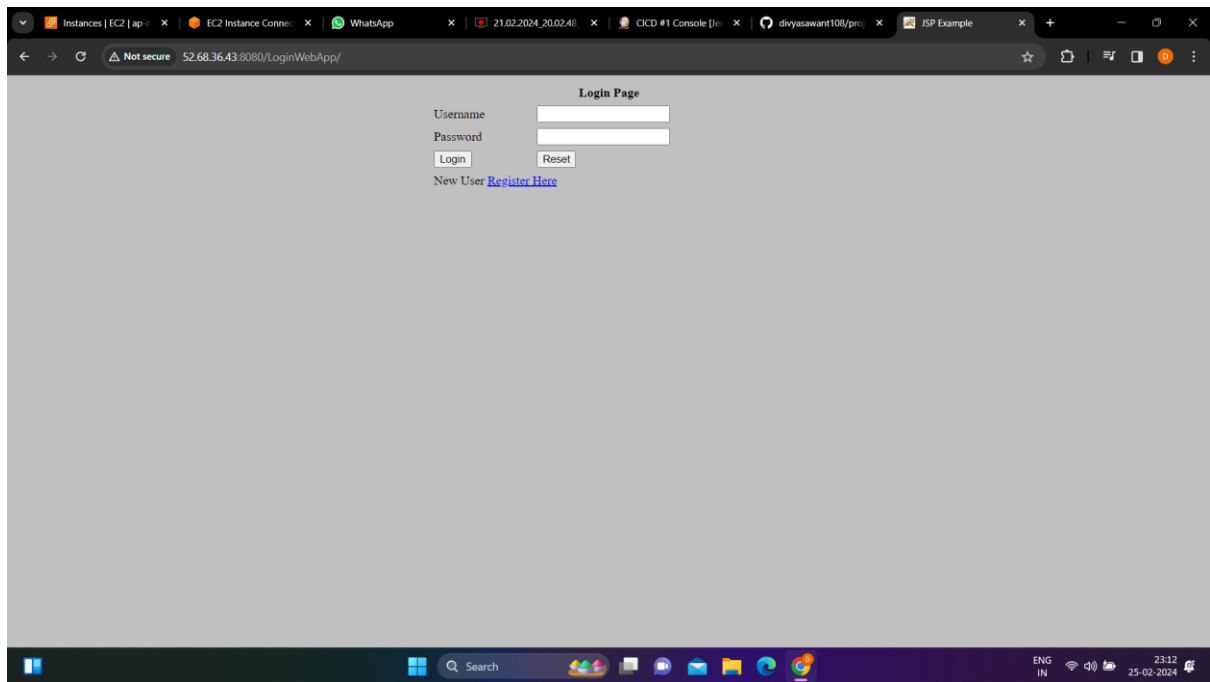
Edit Build Information

Delete build '#1'

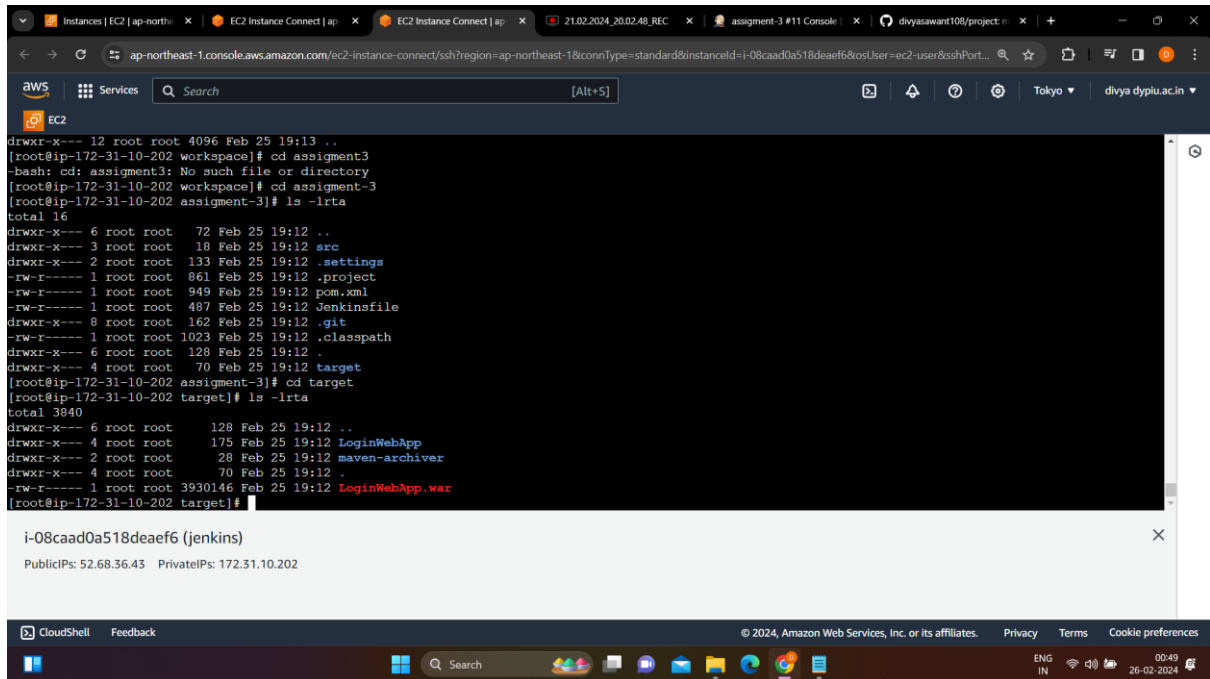
Git Build Data

```
Started by user Divya Santosh Sawant
Running as SYSTEM
Building in workspace /mnt/my-project
[WS-CLEANUP] Deleting project workspace...
[WS-CLEANUP] Deferred wipeout is used...
The recommended git tool is: NONE
No credentials specified
Cloning the remote Git repository
Cloning repository https://github.com/divyasawant108/project.git
> git init /mnt/my-project # timeout=10
Fetching upstream changes from https://github.com/divyasawant108/project.git
> git --version # timeout=10
> git --version # 'git version 2.40.1'
> git fetch --tags --force --progress -- https://github.com/divyasawant108/project.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git config remote.origin.url https://github.com/divyasawant108/project.git # timeout=10
> git config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/* # timeout=10
Avoid second fetch
> git rev-parse refs/remotes/origin/master^{commit} # timeout=10
Checking out Revision 08bbd48d301ddb4e27c7d0b968d6ca65b55a2603 (refs/remotes/origin/master)
> git config core.sparsecheckout # timeout=10
> git checkout -f 08bbd48d301ddb4e27c7d0b968d6ca65b55a2603 # timeout=10
Commit message: "Update Jenkinsfile"
First time build. Skipping changelog.
[my-project] $ /bin/sh -xe /mnt/servers/apache-tomcat-9.0.85/temp/jenkins1098433968027970014.sh
+ rm -rf /root/.m2/repository
Unpacking https://repo.maven.apache.org/maven2/org/apache/maven/apache-maven/3.9.6/apache-maven-3.9.6-bin.zip to
/root/.jenkins/tools/hudson.tasks.Maven_MavenInstallation/maven-3.9.6 on Jenkins
[my-project] $ /root/.jenkins/tools/hudson.tasks.Maven_MavenInstallation/maven-3.9.6/bin/mvn clean install
NOTE: Picked up JDK_JAVA_OPTIONS:  --add-opens=java.base/java.lang=ALL-UNNAMED --add-opens=java.base/java.io=ALL-UNNAMED --add-
```

23:10 25-02-2024



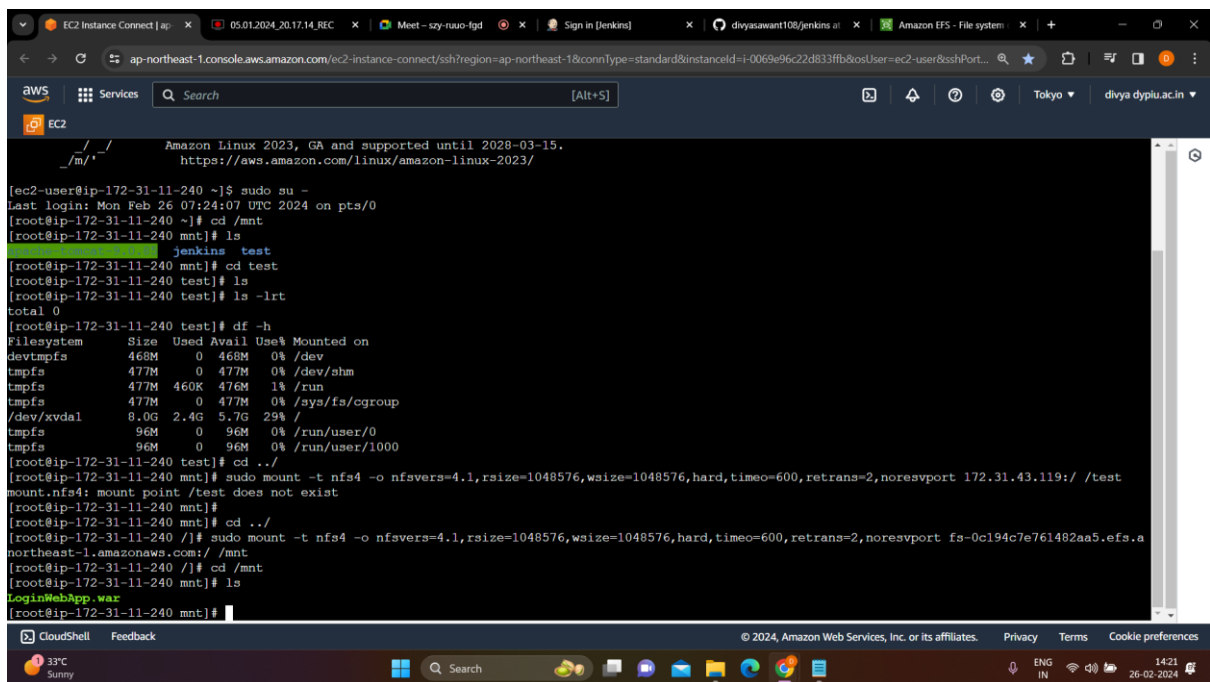
Assignment -3



The screenshot shows an AWS CloudShell terminal window. The terminal output displays the results of a `ls -l` command, showing a directory structure with files like `src`, `.settings`, `.project`, `pom.xml`, `Jenkinsfile`, `.git`, `.classpath`, and `target`. Below the terminal output, the instance ID `i-08caad0a518deae6f6 (jenkins)` is shown, along with its Public IP (`52.68.36.43`) and Private IP (`172.31.10.202`).

```
drwxr-x--- 12 root root 4096 Feb 25 19:13 ..
[root@ip-172-31-10-202 workspace]# cd assignment3
-bash: cd: assignment3: No such file or directory
[root@ip-172-31-10-202 workspace]# cd assignment-3
[root@ip-172-31-10-202 assignment-3]# ls -l
total 16
drwxr-x--- 6 root root 72 Feb 25 19:12 ..
drwxr-x--- 3 root root 18 Feb 25 19:12 src
drwxr-x--- 2 root root 133 Feb 25 19:12 .settings
-rw-r----- 1 root root 861 Feb 25 19:12 .project
-rw-r----- 1 root root 949 Feb 25 19:12 pom.xml
-rw-r----- 1 root root 487 Feb 25 19:12 Jenkinsfile
drwxr-x--- 8 root root 162 Feb 25 19:12 .git
-rw-r----- 1 root root 1023 Feb 25 19:12 .classpath
drwxr-x--- 6 root root 128 Feb 25 19:12 .
drwxr-x--- 4 root root 70 Feb 25 19:12 target
[root@ip-172-31-10-202 assignment-3]# cd target
[root@ip-172-31-10-202 target]# ls -l
total 3840
drwxr-x--- 6 root root 128 Feb 25 19:12 ..
drwxr-x--- 4 root root 175 Feb 25 19:12 LoginWebApp
drwxr-x--- 2 root root 28 Feb 25 19:12 maven-archiver
drwxr-x--- 4 root root 70 Feb 25 19:12 .
-rw-r----- 1 root root 3930146 Feb 25 19:12 LoginWebApp.war
[root@ip-172-31-10-202 target]#
```

i-08caad0a518deae6f6 (jenkins)
PublicIPs: 52.68.36.43 PrivateIPs: 172.31.10.202



The screenshot shows an AWS CloudShell terminal window. The terminal output displays the results of a `df -h` command, showing the file system usage for various partitions. Below the terminal output, the instance ID `i-0069e96c22d833fb8` is shown, along with its Public IP (`52.68.36.43`) and Private IP (`172.31.10.202`).

```
Amazon Linux 2023, GA and supported until 2028-03-15.
https://aws.amazon.com/linux/amazon-linux-2023/

(ec2-user@ip-172-31-11-240 ~)$ sudo su -
Last login: Mon Feb 26 07:24:07 UTC 2024 on pts/0
[root@ip-172-31-11-240 ~]# cd /mnt
[root@ip-172-31-11-240 mnt]# ls
total 0
[root@ip-172-31-11-240 mnt]# df -h
Filesystem      Size  Used Avail Use% Mounted on
devtmpfs        468M   0  468M   0% /dev
tmpfs           477M   0  477M   0% /dev/shm
tmpfs           477M  460K  476M   1% /run
tmpfs           477M   0  477M   0% /sys/fs/cgroup
/dev/xvda1      8.0G  2.4G  5.7G  29% /
tmpfs           96M   0   96M   0% /run/user/0
tmpfs           96M   0   96M   0% /run/user/1000
[root@ip-172-31-11-240 mnt]# cd ../
[root@ip-172-31-11-240 test]# sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsz=1048576,hard,timeo=600,retrans=2,noresvport 172.31.43.119:/ /test
mount.nfs4: mount point /test does not exist
[root@ip-172-31-11-240 mnt]# cd ../
[root@ip-172-31-11-240 /]# sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsz=1048576,hard,timeo=600,retrans=2,noresvport fs-0c194c7e761482aa5.efs.a
northeast-1.amazonaws.com:/ /mnt
[root@ip-172-31-11-240 /]# cd /mnt
[root@ip-172-31-11-240 mnt]# ls
LoginWebApp.war
[root@ip-172-31-11-240 mnt]#
```