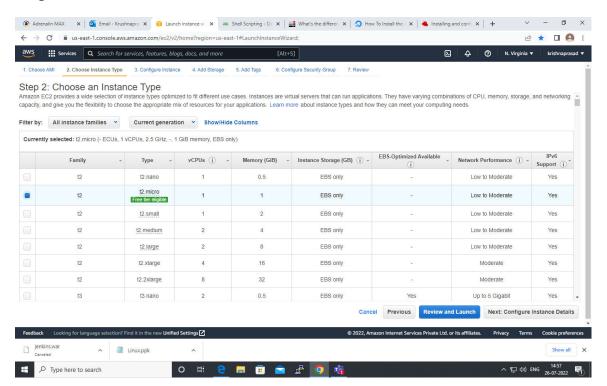
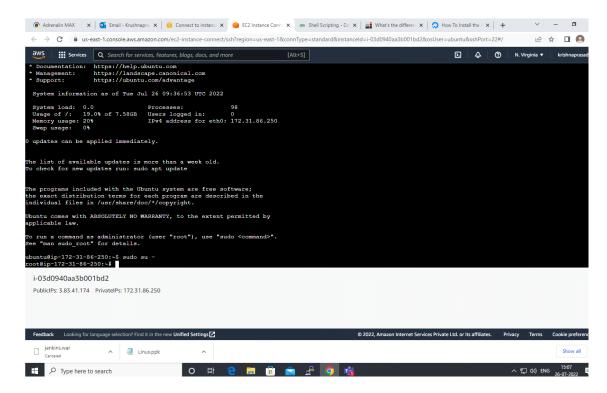
Shell Scripting

A shell script is a text file that contains a sequence of commands for a UNIX-based operating system. It is called a shell script because it combines a sequence of commands, that would otherwise have to be typed into the keyboard one at a time, into a single script. The shell is the operating system's command-line interface (CLI) and interpreter for the set of commands that are used to communicate with the system.

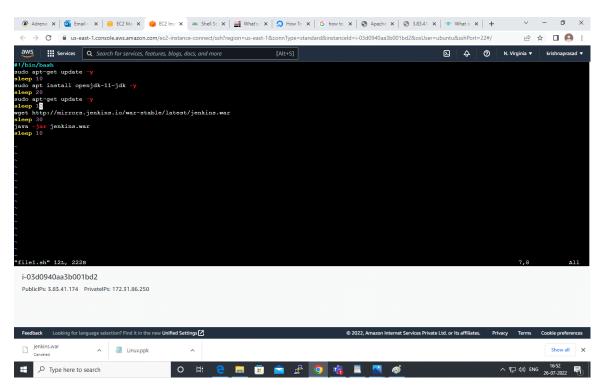
Step 1:Launch A EC2 Instance.



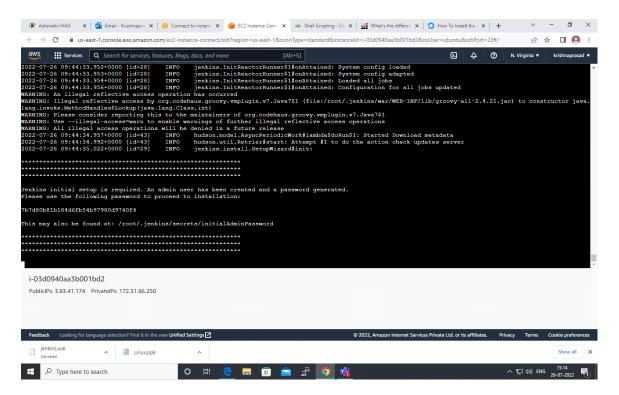
Step 2: Connect to the instance and switch to root user using SUDO SU- command.



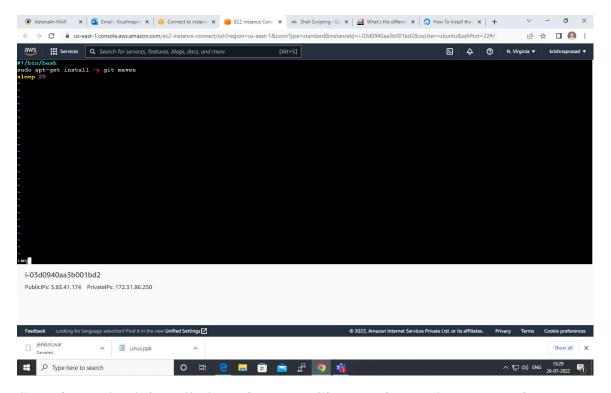
Step 3: Create a file using touch command and enter into the file by VIM. After that enter the commands for Jenkins Installation.



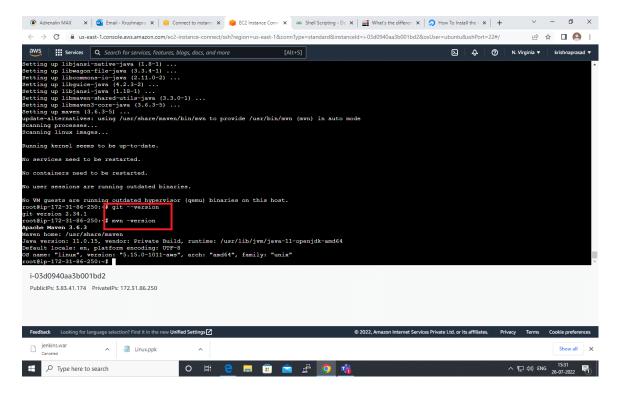
Step 4: After executing it displays as below.



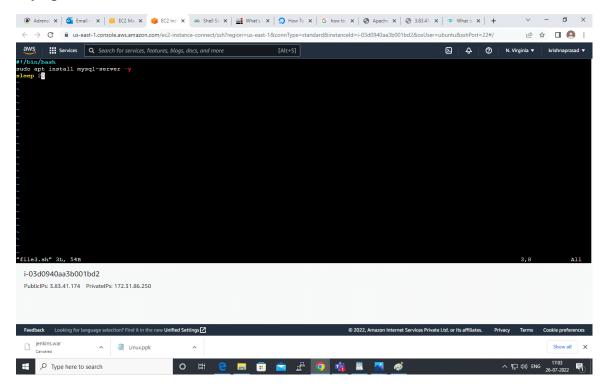
Step 5:Now, create another file for Git and Maven. Give the commands required for installation of Git and Maven.



Step 6: To check installed versions use Git --version and Mvn -version commands.



Step 7:Create another file for Mysql server.Enter, the commands for installing the mysql server.



Step 8:After execution of command it appears as below.

```
costip-1/2-31-86-220:/tetc/nginx/sates-enabledf systemct1 restart nginx
for for nginx.service failed because the control process exited with error code.

The "systemct1 status nginx.service" and "journalct1 xeu nginx.service" for details.

Toottip-172-31-86-250:/tetc/nginx/sites-enabledf vi default

Toottip-172-31-86-250:/tetc/nginx/sites-enabledf systemct1 restart nginx

Toottip-172-31-86-250:/tetc/nginx/sites-enabledf sudo su -

Toottip-172-31-86-250:/tetc/nginx/sites-enabledf sudo su -

Toottip-172-31-86-250:/tetc/nginx/sites-enabledf sudo su -

Toottip-172-31-86-250:/t ls

Titel.sh file2.sh file3.sh four.sh jenkins.war snap

Toottip-172-31-86-250:/t vim file2.sh

Toottip-172-31-86-250:/t vim file3.sh

Toottip-172-31-86-250:/t vim file3.sh
```

Step 9: Give the commands for installation of Nginx and Apache.

Step 10:Now, check that the Ngnix webserver is installed.

```
cot8p-172-31-86-250:/etc/nginx/sites-enabledf vi default
cot8p-172-31-86-250:/etc/nginx/sites-enabledf systement restart nginx

ab for nginx.service failed because the control process exited with error code.

ac "systement status nginx.service" and "journalctl -xeu nginx.service" for details.

cot8p-172-31-86-250:/etc/nginx/sites-enabledf vi default
cot8p-172-31-86-250:/etc/nginx/sites-enabledf systement restart nginx

cot8p-172-31-86-250:/etc/nginx/sites-enabledf systement restart nginx

cot8p-172-31-86-250:/etc/nginx/sites-enabledf sudo su -
cot8p-172-31-86-250:/etc/nginx/sites-enabledf sudo su -
cot8p-172-31-86-250:/etc/nginx/sites-enabledf sudo su -
cot8p-172-31-86-250:/etc/nginx/sites-enabledf sudo su -
cot8p-172-31-86-250:/et vim file2.sh

cot8p-172-31-86-250:/et vim file3.sh

cot8p-172-31-86-250:/et vim four.sh

cot8p-172-31-86-250:/et chmod +x four.sh

cot8p-172-31-86-250:/et chmod
```

Coclusion: Installation of Jenkins, Mysql, Ngnix, Git Maven and Apache through ShellScripting