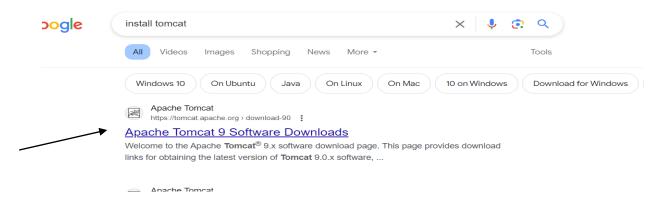
## L5 - <u>Install Tomcat web application server in AWS</u> EC2 Ubuntu Instance and access Tomcat using a web browser.

## To launch an EC2 Ubuntu Instance Refer L1

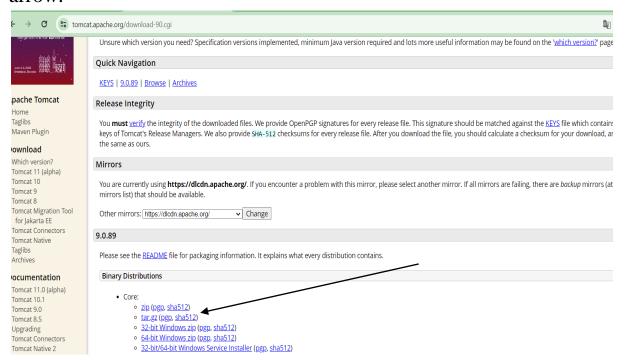
To install Tomcat web application in an EC2 Ubuntu instance follow below steps:

Step 1: Install tomcat from Apache website.

Click on Apache website.

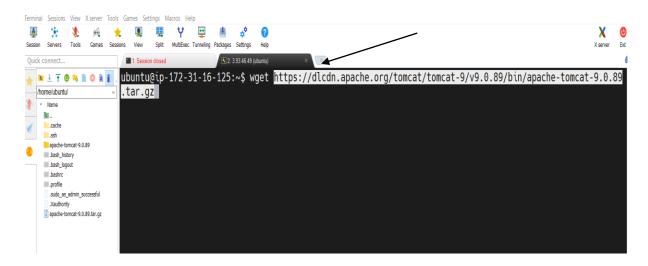


STEP 2: After Copy the link address of tar.gz file as indicated by arrow.

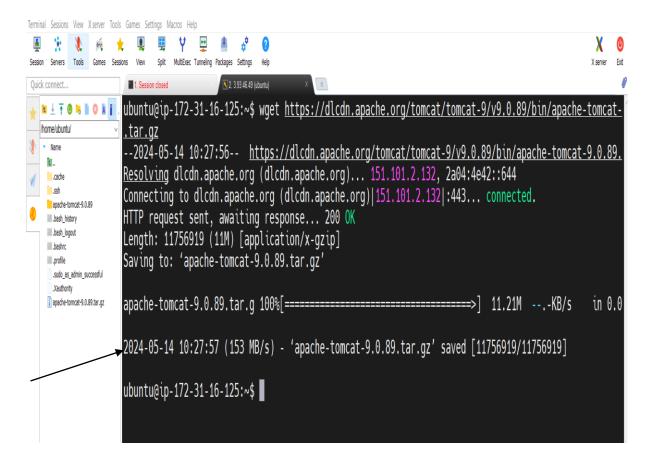


## **STEP 3:** Go to **EC2 ubuntu Terminal** And **Write command** as shown below in the picture.

wget [paste link address copied] And Click enter.

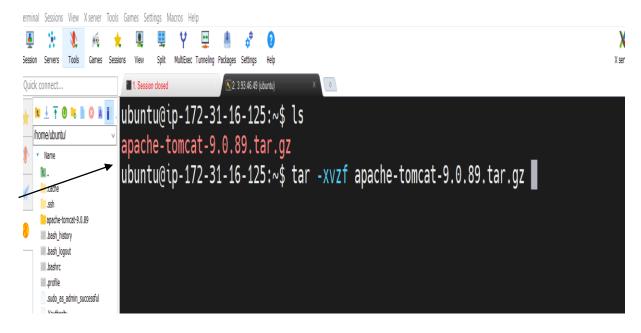


#### tar.gz file got saved

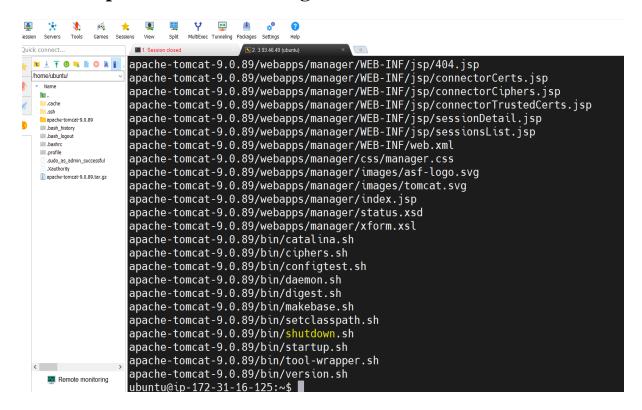


## STEP 4: Then write command ls you can see apache-tomcat-9.0.89.tar.gz file.

And to **extract** apache tomcat from tar.gz write command tar -xvzf apache-tomcat-9.0.89.tar.gz And Click Enter.

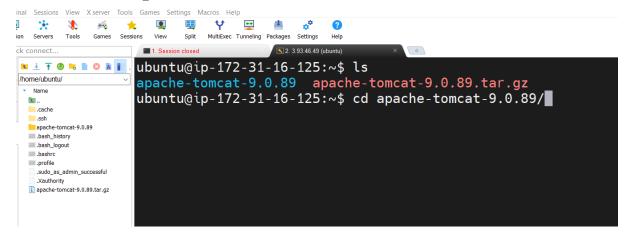


#### apache-tomcat-9.0.89 got extracted as seen below



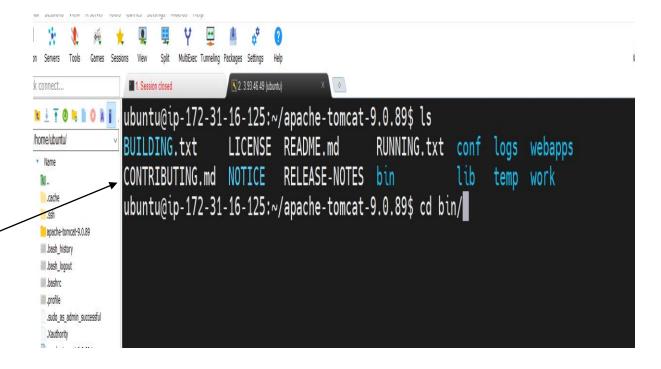
#### **STEP 5**: write command **ls** to see files.

Then go inside apache-tomcat-9.0.89 by writing command cd apache-tomcat-9.0.89 And Click enter.



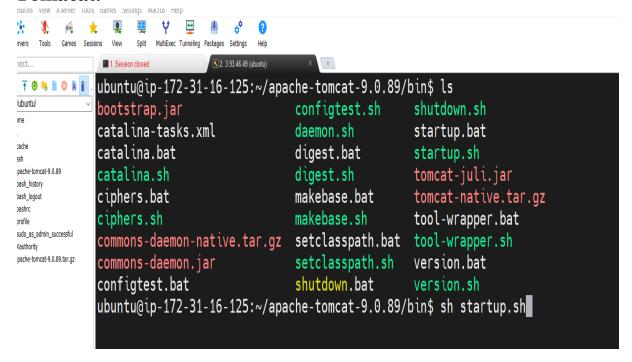
**STEP 6**: Now in the **Apache directory** as we can see below write **ls** command to see dir/files in Apache directory.

Then Go **inside/bin** directory by command **cd bin** and **click** enter.



# **STEP 7:** Now in **bin directory** write command **ls** to see files/dir. Then write command **sh startup.sh** and **click** enter to start

#### Tomacat.

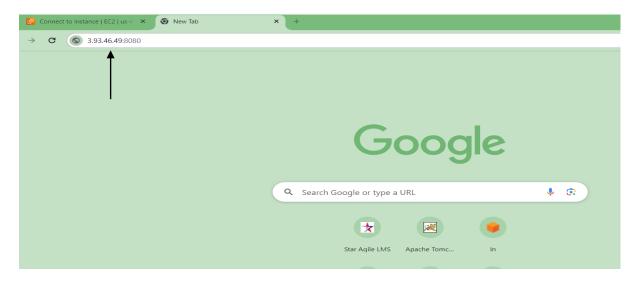


### Tomcat started as we can see below

```
★ ★ 및 및 Y 및 B & 2
                    Split MultiExec Tunneling Packages Settings Help
                View
              ubuntu@ip-172-31-16-125:~/apache-tomcat-9.0.89/bin$ ls
ne/ubuntu/
              bootstrap.jar
                                                configtest.sh
                                                                    shutdown.sh
Name
              catalina-tasks.xml
                                                daemon.sh
                                                                    startup.bat
b. . .
              catalina.bat
                                                digest.bat
                                                                    startup.sh
.ssh
apache-tomcat-9.0.89
                                                                    tomcat-juli.jar
              catalina.sh
                                                digest.sh
.bash history
              ciphers.bat
.bash_logout
                                                makebase.bat
                                                                    tomcat-native.tar.gz
hashro
              ciphers.sh
                                                makebase.sh
                                                                    tool-wrapper.bat
.profile
.sudo_as_admin_successful
              commons-daemon-native.tar.gz setclasspath.bat tool-wrapper.sh
.Xauthority
apache-tomcat-9.0.89.tar.qz
              commons-daemon.jar
                                                setclasspath.sh
                                                                    version.bat
              configtest.bat
                                                shutdown.bat
                                                                    version.sh
              ubuntu@ip-172-31-16-125:~/apache-tomcat-9.0.89/bin$ sh startup.sh
              Using CATALINA BASE:
                                        /home/ubuntu/apache-tomcat-9.0.89
              Using CATALINA HOME:
                                        /home/ubuntu/apache-tomcat-9.0.89
              Using CATALINA TMPDIR: /home/ubuntu/apache-tomcat-9.0.89/temp
              Using JRE_HOME:
                                        /usr
                                        /home/ubuntu/apache-tomcat-9.0.89/bin/bootstrap.ja
              Using CLASSPATH:
              apache-tomcat-9.0.89/bin/tomcat-juli.jar
              Using CATALINA_OPTS:
              Tomcat started.
              ubuntu@ip-172-31-16-125:~/apache-tomcat-9.0.89/bin$
```

## To Access using web browser

1<sup>st</sup> copy the Public IP address of the instance in which tomcat started then paste in google search bar like [3.93.46.49:8080] and click enter



## Tomacat application is accessed over web browser

