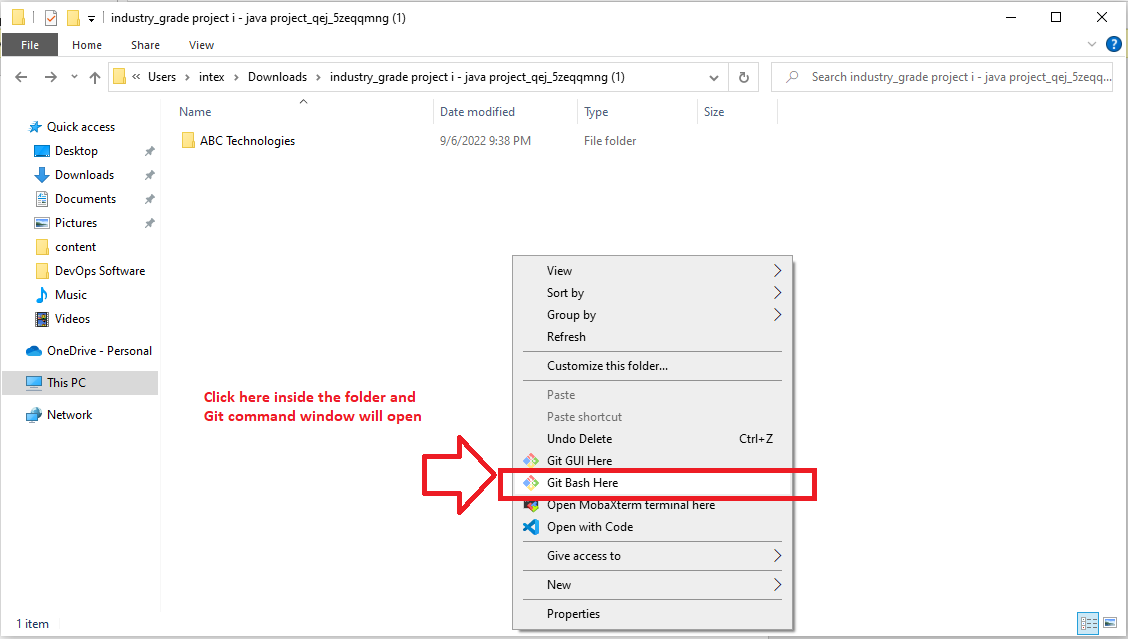
**Steps To be performed to Local Machine**

Step1-:

Downloaded Project1 from Edureka

Step2-:

1. Go to **C:\Users\intex\Downloads\industry\_grade project i - java project\_qej\_5zeqqmng (1)**
2. **Right Click on mouse** and Select **GitBash here**, as shown in screenshot

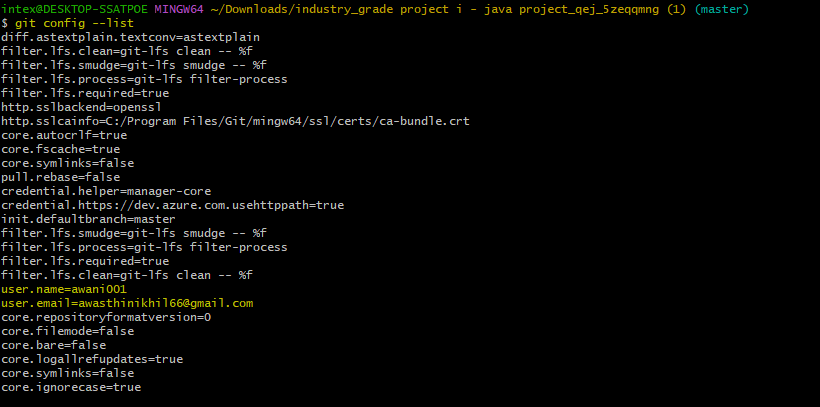


1. First command inside git bash will was ran

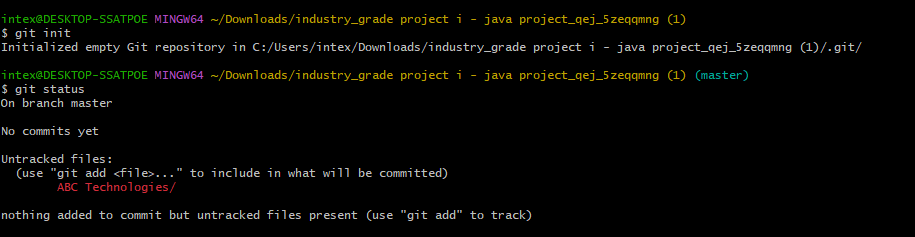
* Git init



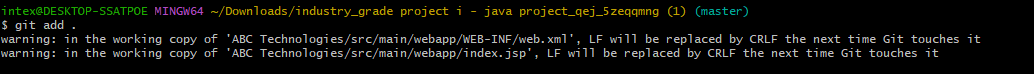
* Git config – list **( to check that git is configured)**



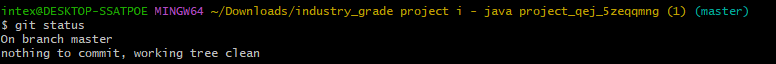
* Git status **–(which files are not added in staging area)**



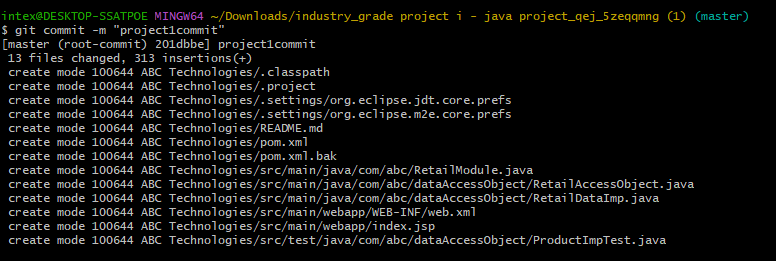
* Git add . **( to add the file of ABC technologies in Staging area)**



* Git status **(to check no files are left which needs to be moved to staging area)**



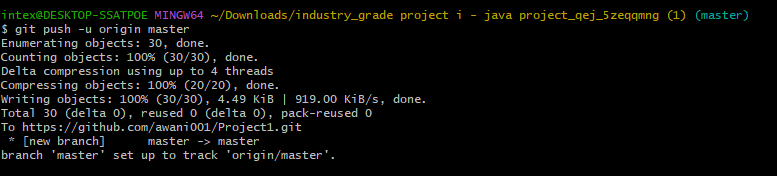
* Git commit -m “Project1Commit”



* Git remote add origin <https://github.com/awani001/edupro1.git>



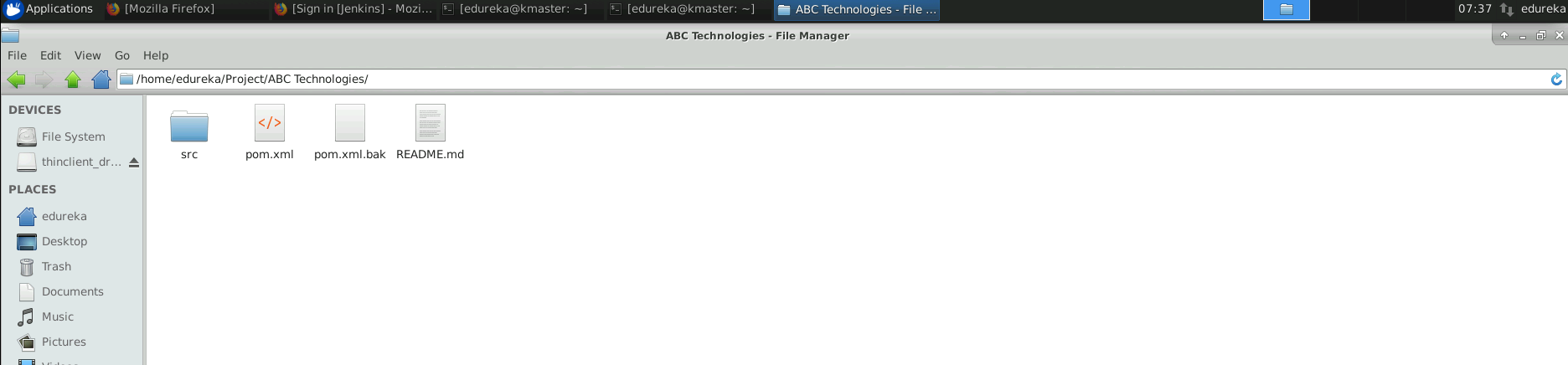
* Git push -u origin master



* Pop up will come which will ask for token
* To generate token go to **github.com** >> top right corner **SETTINGS** > **developer settings** >> **regenerate the new token** >> **enter the token and push it to github**

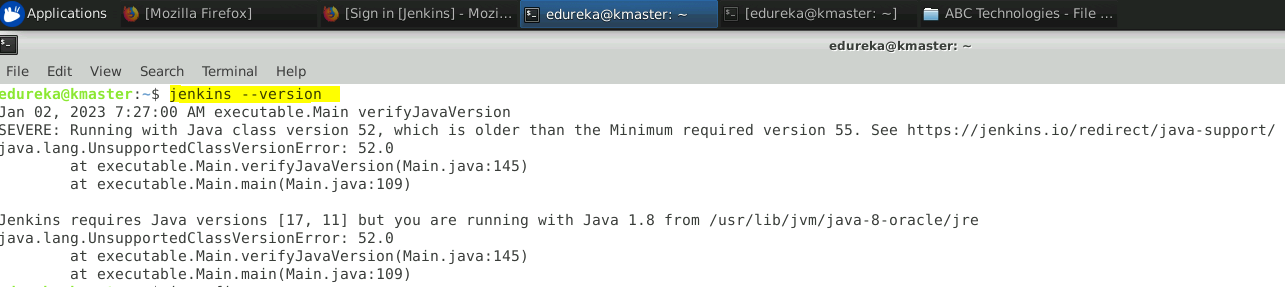
**Steps to Pull the GitCode from github in Edureka Lab**

* Login to Edureka lab
* Open terminal
* Create a folder **mkdir Project**
* **Cd project**
* **Git --version**
* Git init
* **Git config –global user.name “awani001”**
* **Git config – global user.email** [**awasthinikhil66@gmail.com**](mailto:awasthinikhil66@gmail.com)
* **Git remote add origin** <https://github.com/awani001/edupro1.git>
* **Git pull origin master**

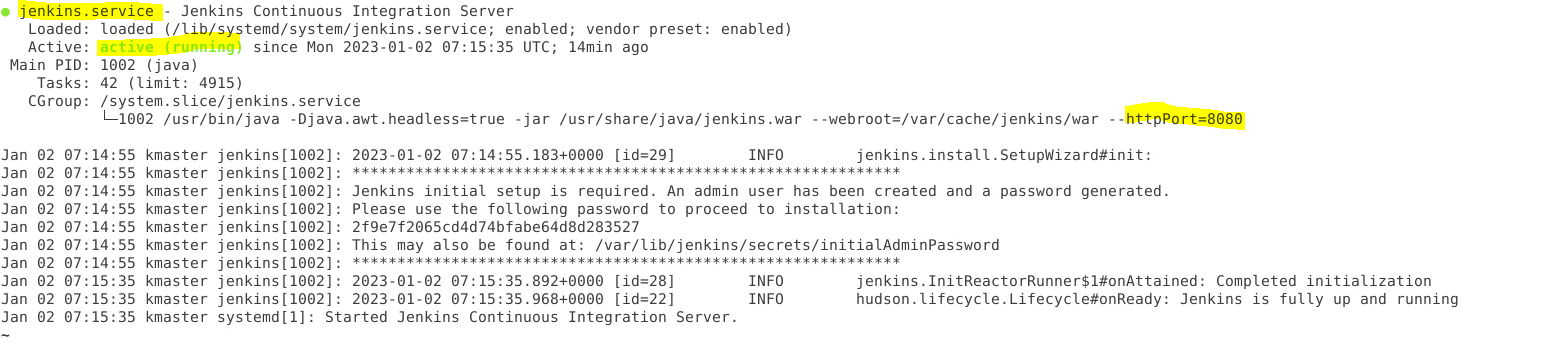


**Start With Jenkins**

1. **Open terminal in Lab**
2. **Jenkins –version**

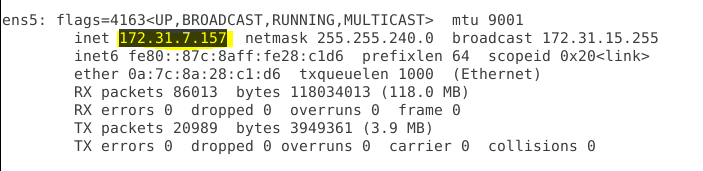


1. **Sudo systemctl status Jenkins**



1. **Check system ip**

**Use command ifconfig**



1. **Enabling Jenkins**

* **Sudo systemctl enable Jenkins**

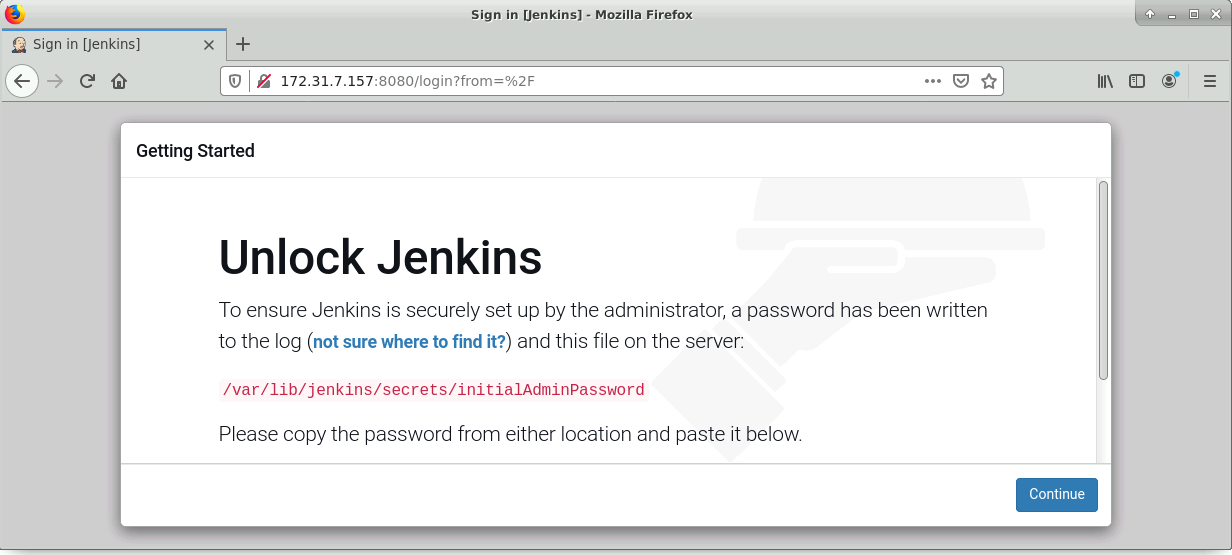
This will make Jenkins persistent with each restart



* Copy system ip address and open Jenkins @ port 8080

172.31.7.157:8080

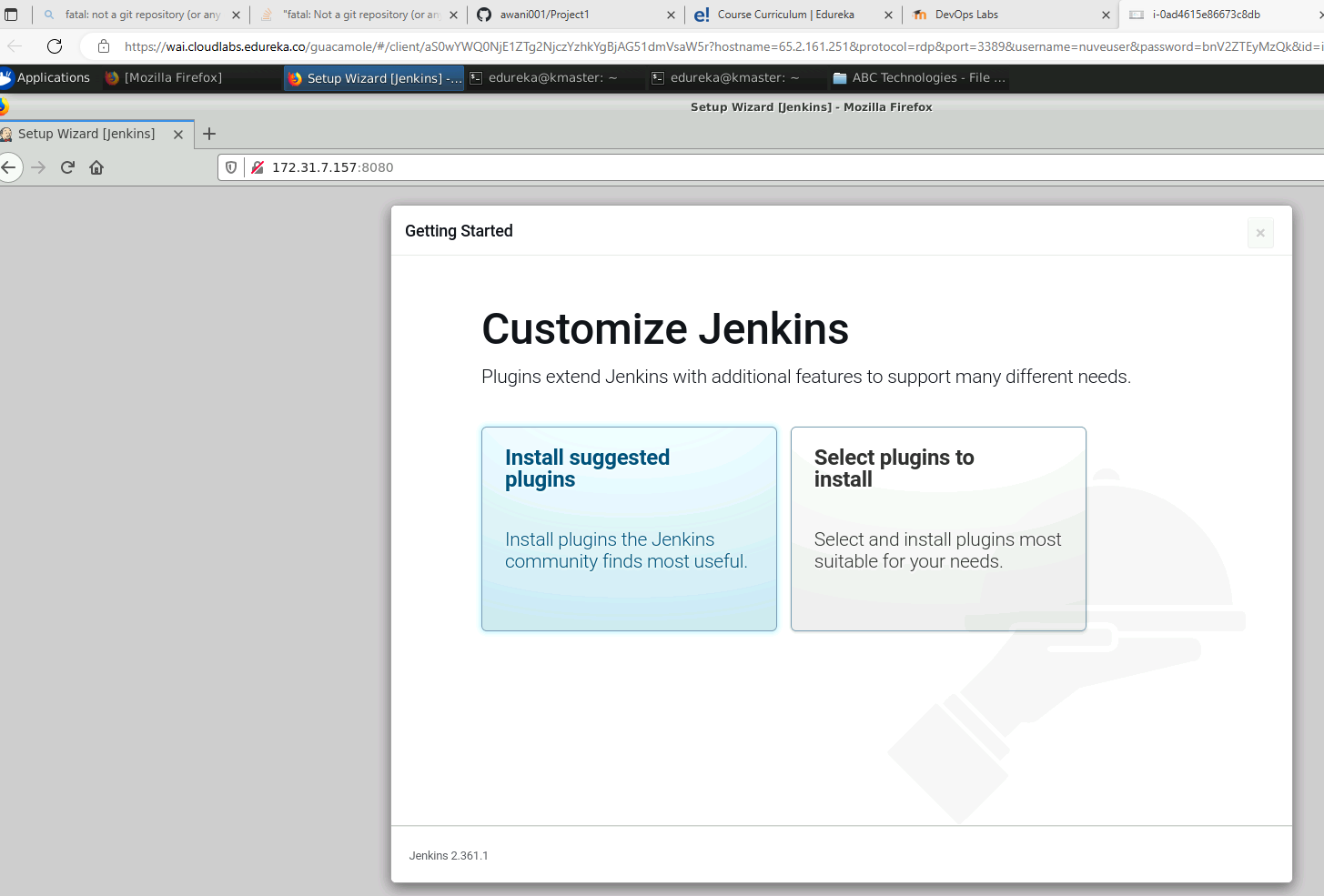
* This screen will open



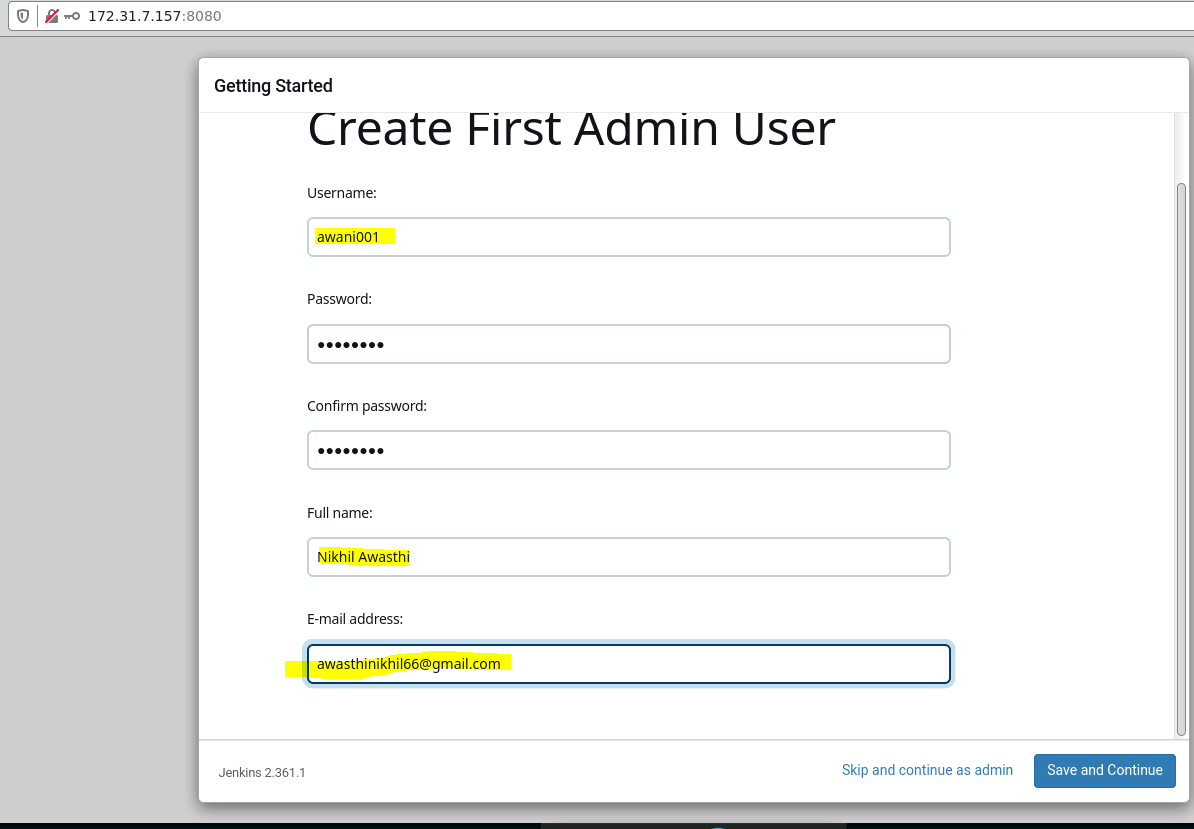
* Cat this path to get password **sudo cat/var/lib/jenkins/secrets/initialAdminPassword**



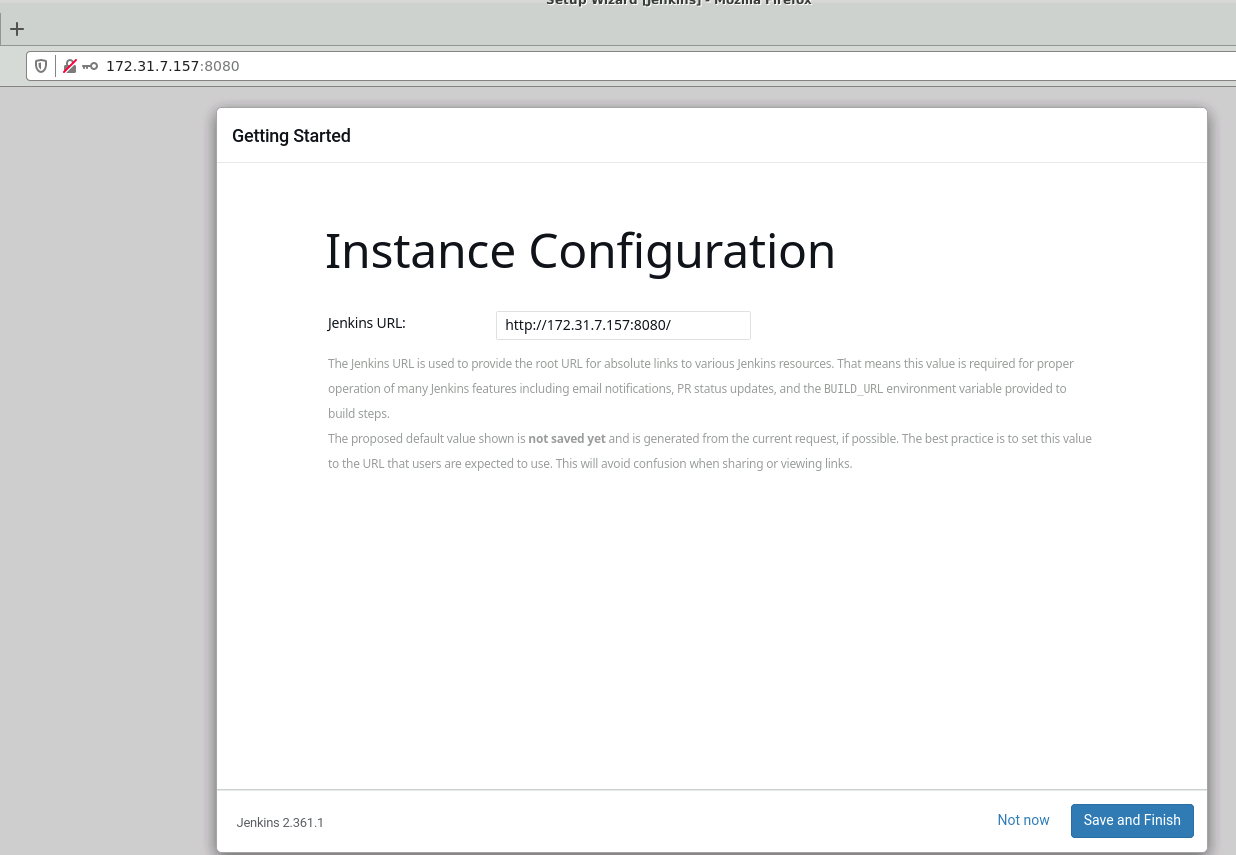
* After entering the password next page will come as shown in screenshot



* Install suggested plugins
* Next screens will come to ask for username

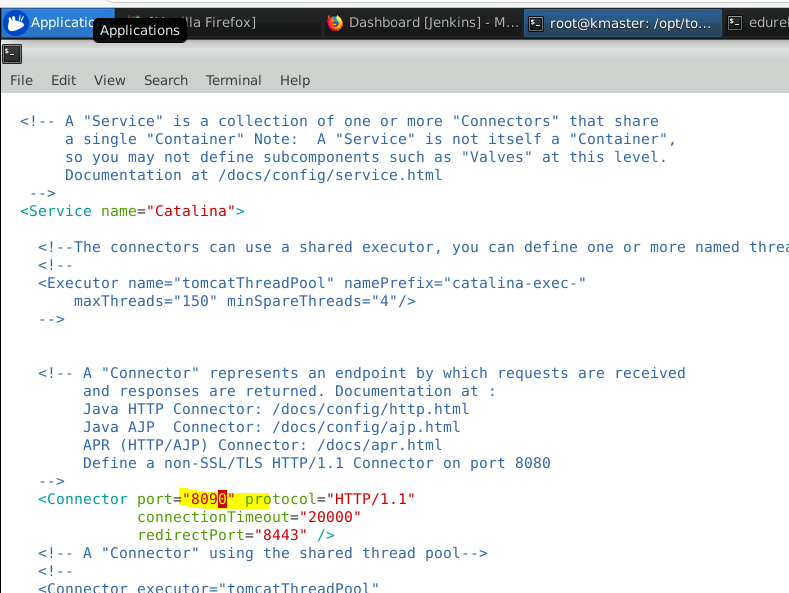


* Username-awani001
* Password – Password
* Full Name – Nikhil Awasthi email address – awasthinikhil66@gmail.com



**Enabling Tomcat**

* Sudo su –
* Cd /opt
* Ls -al
* Cd tomcat
* Cd conf
* Ls -al
* Vi server.xml ( to check which port is used by tomcat)



* Tomcat is enabled on port 8090
* Cd conf
* Find / -name context.xml
* Comment out value class name in webapp/manager and webapp/Host-manager
* Update the users in tomcat-users.xml

<role rolename="manager-gui"/>

<role rolename="manager-script"/>

<role rolename="manager-jmx"/>

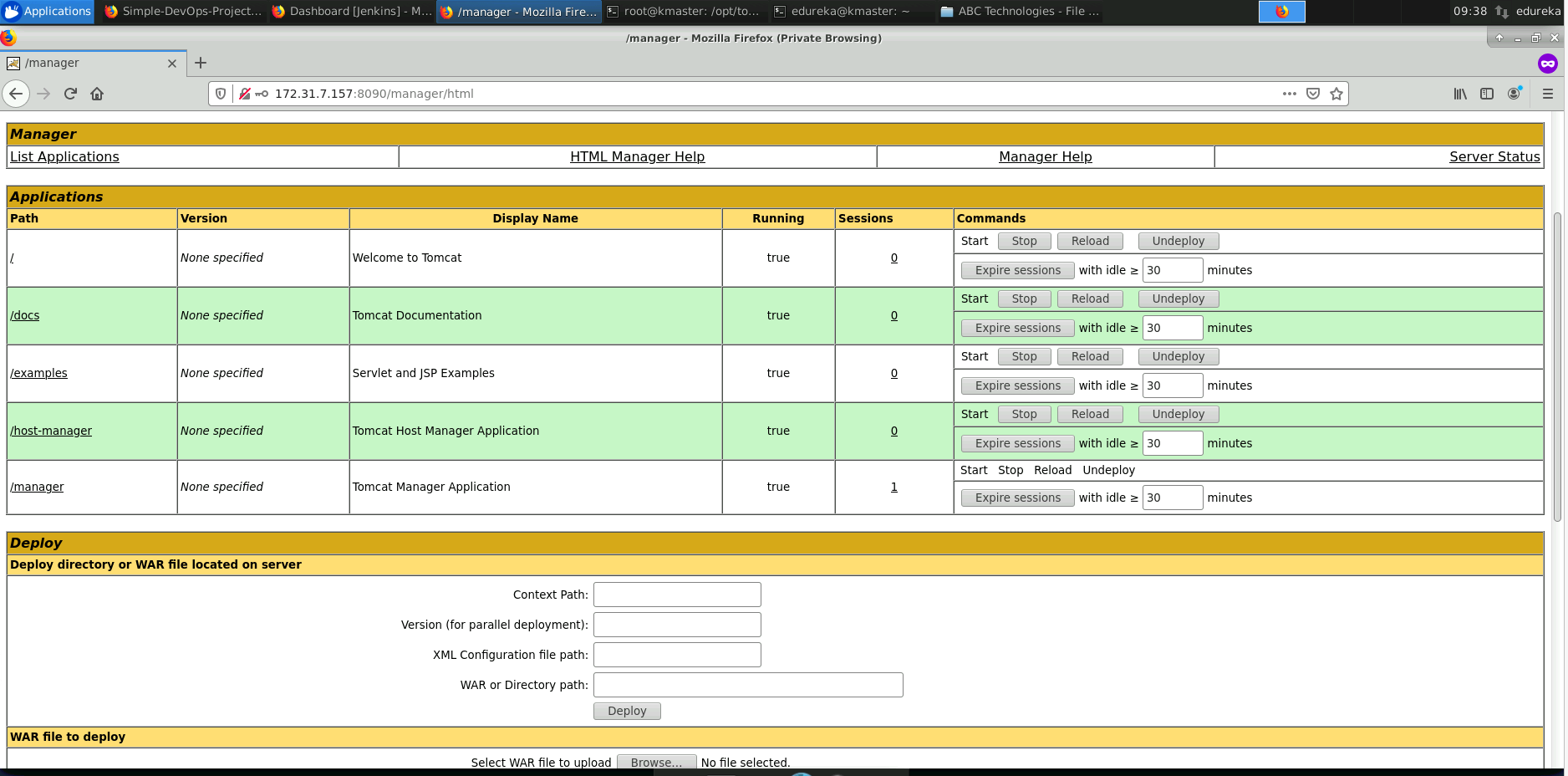
<role rolename="manager-status"/>

<user username="admin" password="admin" roles="manager-gui, manager-script, manager-jmx, manager-status"/>

<user username="deployer" password="deployer" roles="manager-script"/>

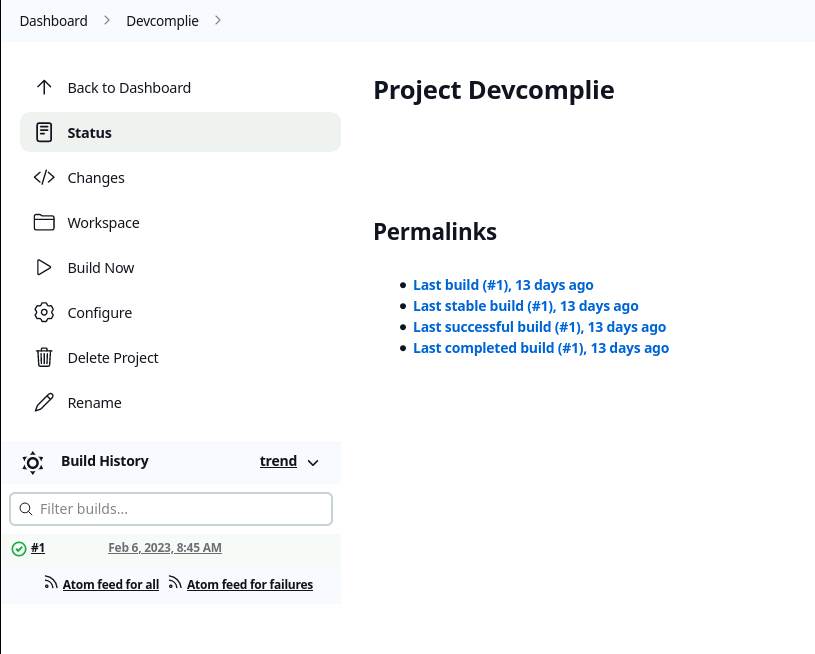
<user username="tomcat" password="s3cret" roles="manager-gui"/>

* Cd bin
* Start ./startup.sh
* Sudo systemctl enable tomcat
* Sudo systemctl status tomcat
* Now tomcat is ready

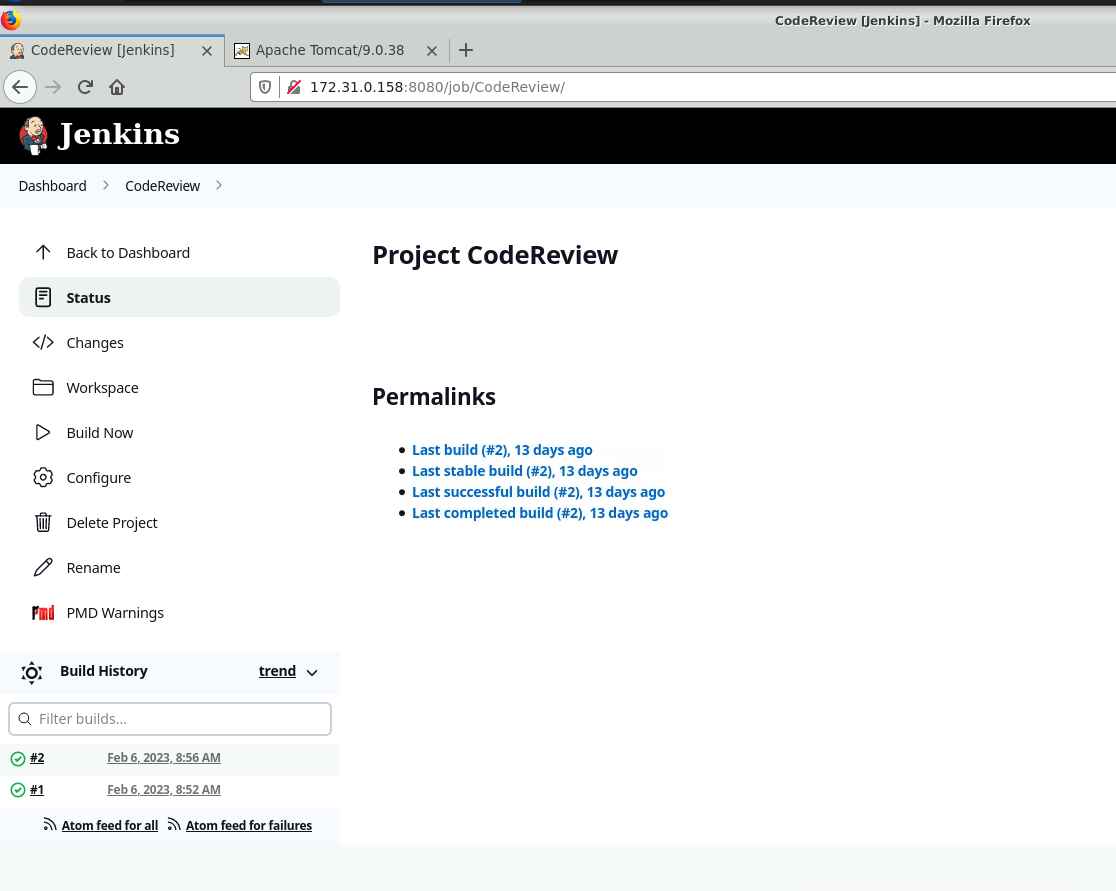


**Creating freestyle Project in Jenkins-:**

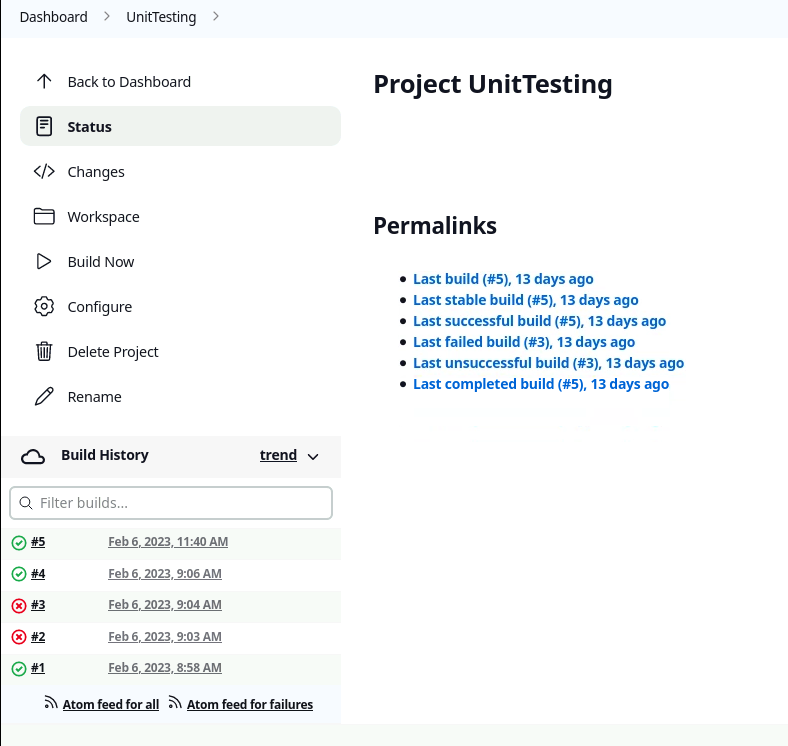
**Dev Compile-:**



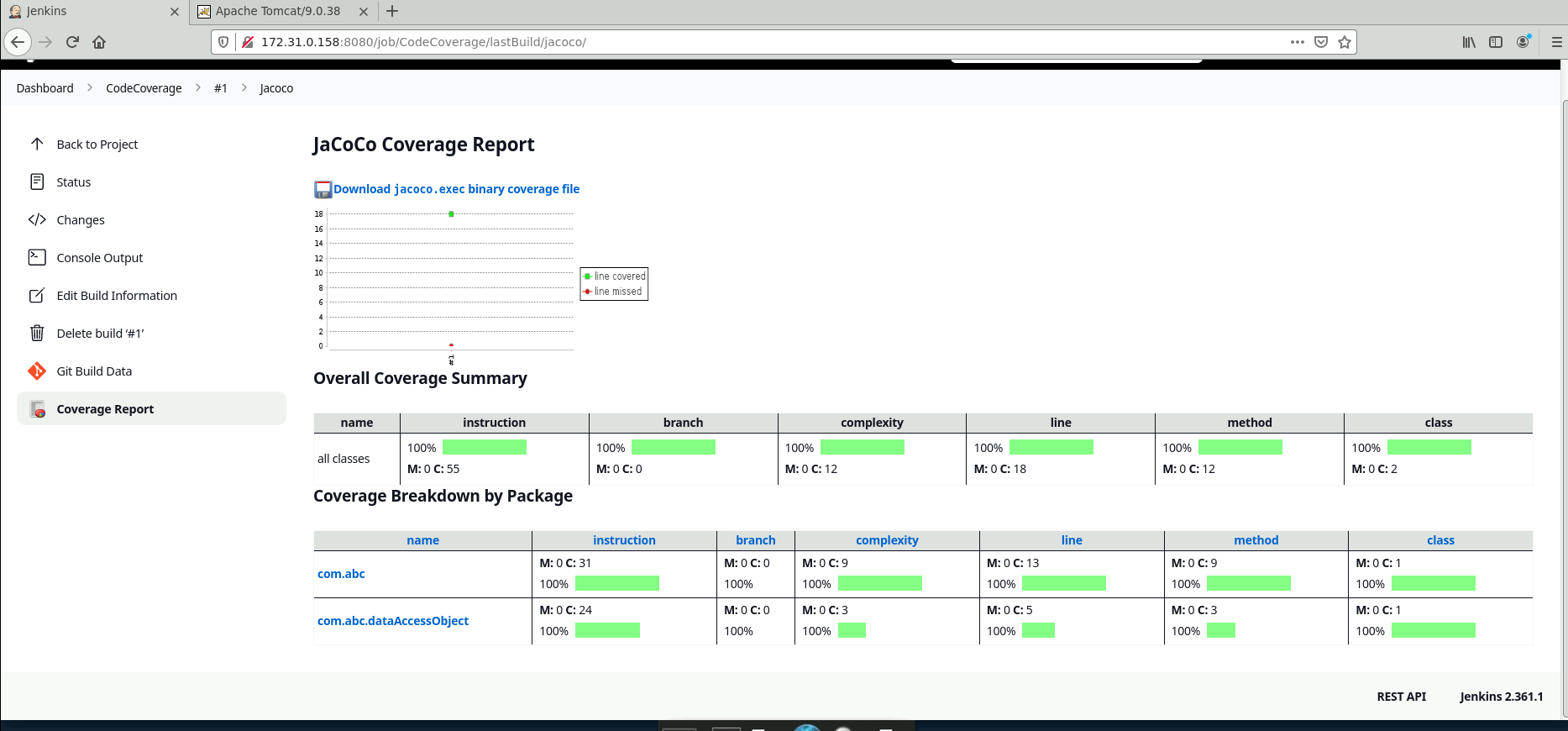
**Code-Review-:**



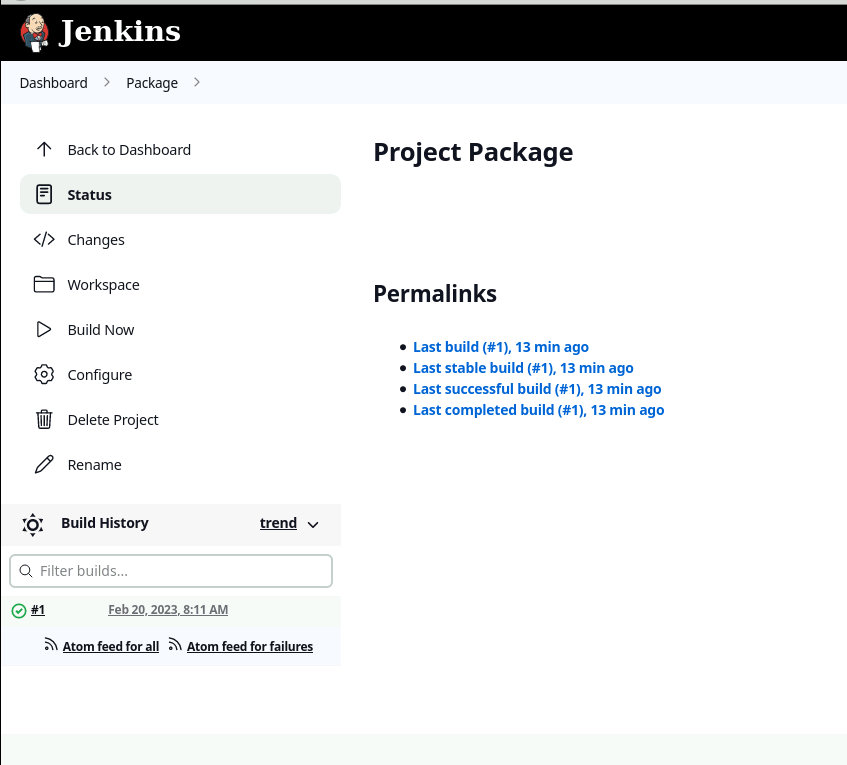
**Unit testing-:**



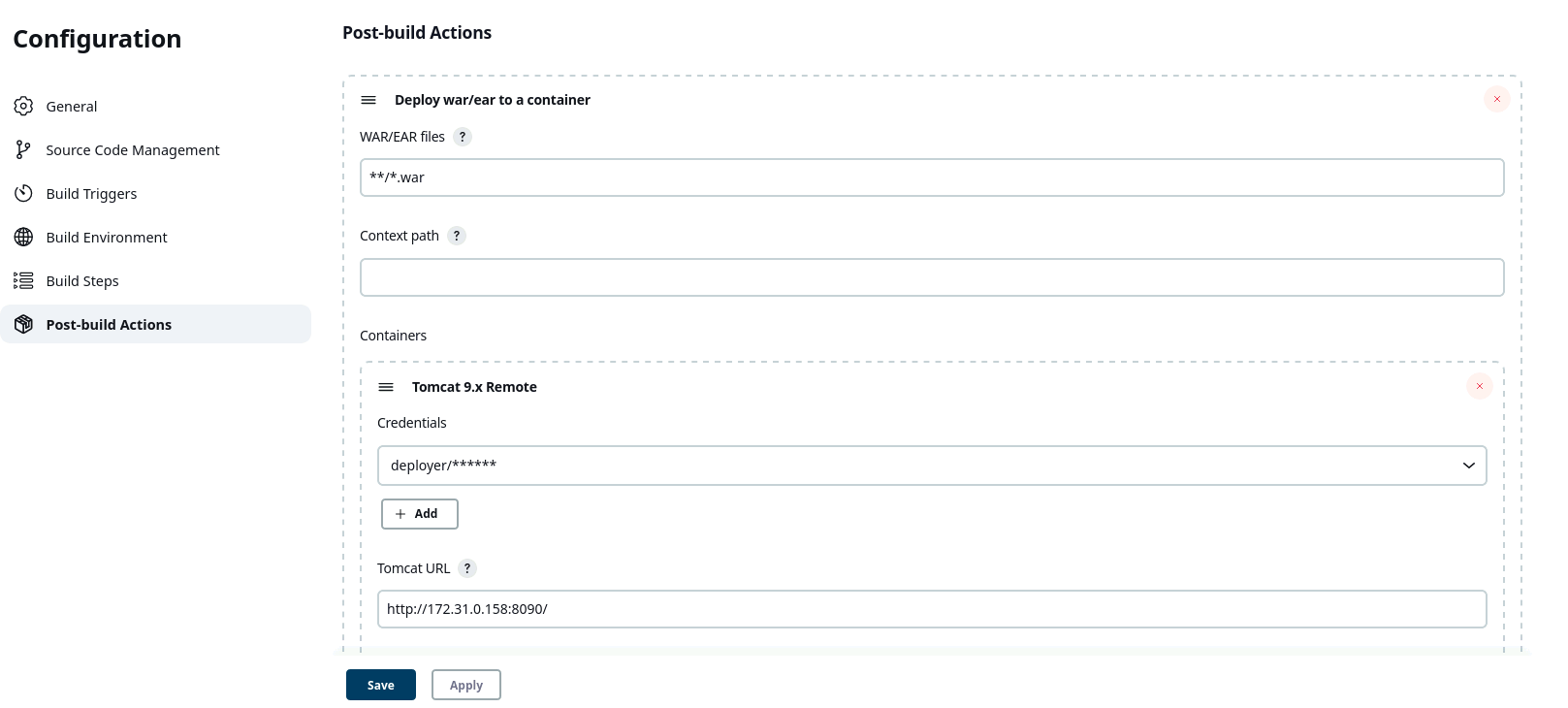
**Code Coverage (Jacoco)**



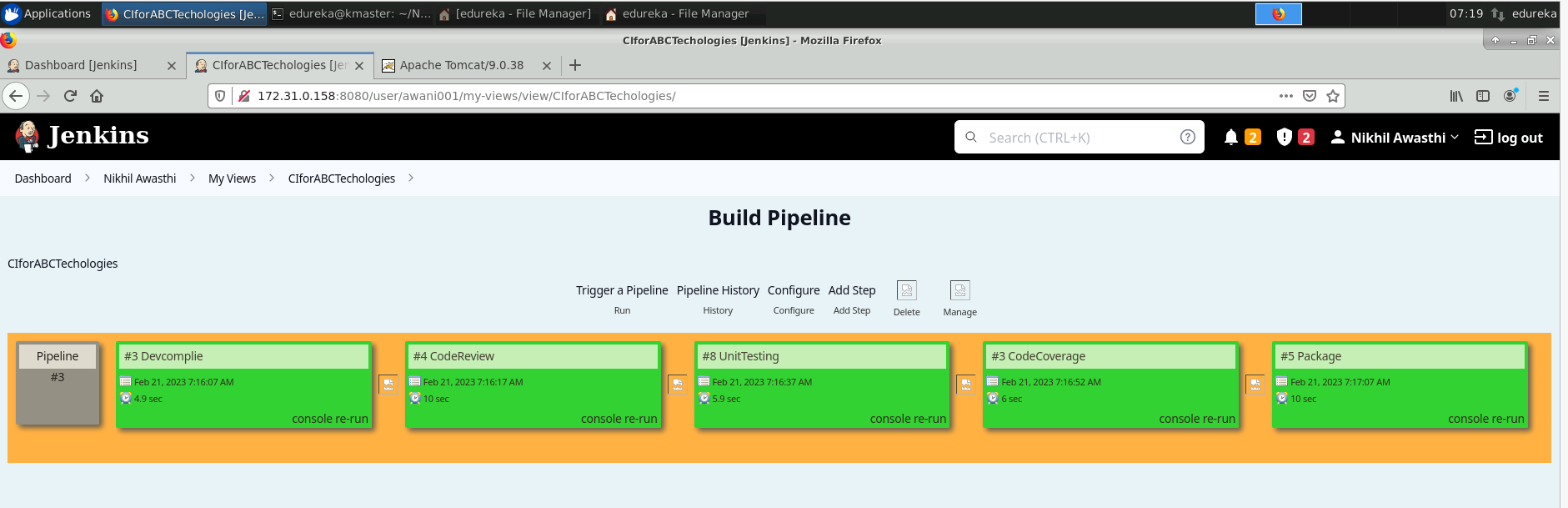
**Package-:**



**Deployment-:**



**PipeLine View**



Tomcat Deployment Successful-: