Experiment-1

AIM- Intallation of jenkins and execution of a simple
job in jenkins

Operating System- Kali linux

1 STEP:- Add the Jenkins public key to the system

       wget -q -O - https://pkg.jenkins.io/debian-stable/jenkins.io.key | sudo apt-key add -

2 STEP:- Add the jenkins repository in your system

       sudo sh -c 'echo deb https://pkg.jenkins.io/debian binary/ > \
/etc/apt/sources.list.d/jenkins.list'

3 STEP:- Update your system

       sudo apt-get update

4 STEP:- Install Jenkins package using the apt command.

       sudo apt-get install jenkins

5 STEP-: After run all four command in terminal we need to start our jenkins and the command is:-

       service jenkins start

6 STEP:- you'll test your system to make sure Jenkins is working correctly. open your browser and
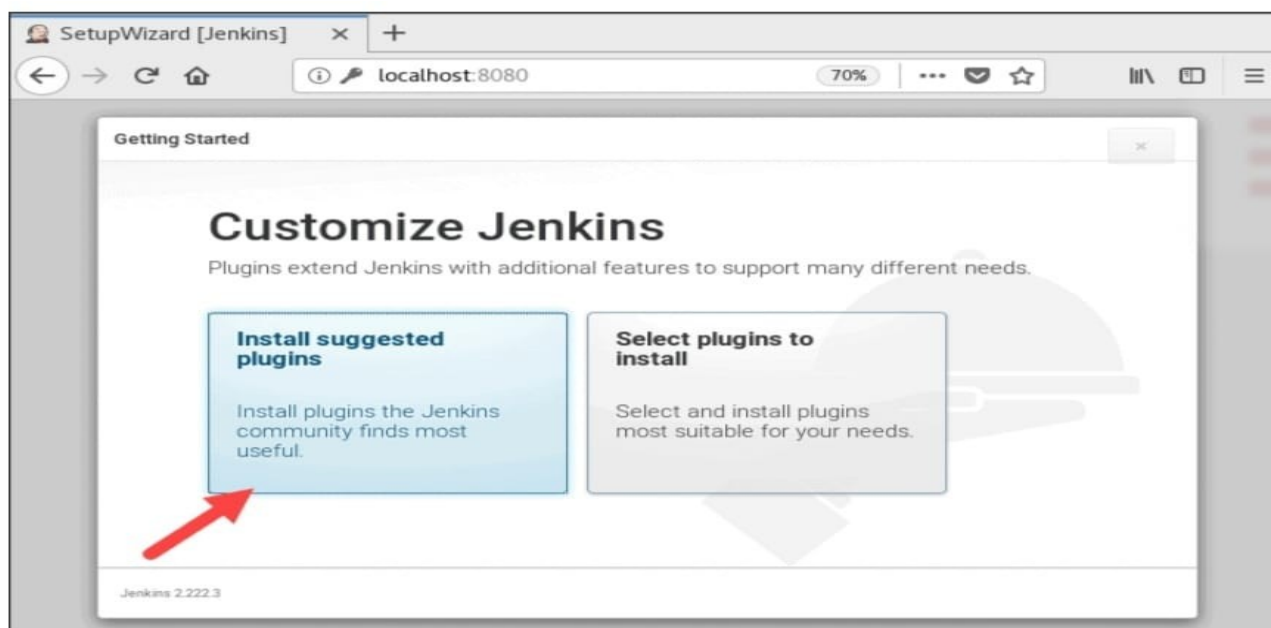
write URL:-

http://localhost:8080

7 STEP:- you should display jenkins unlock page .The jenkins should ask for temperory password:-
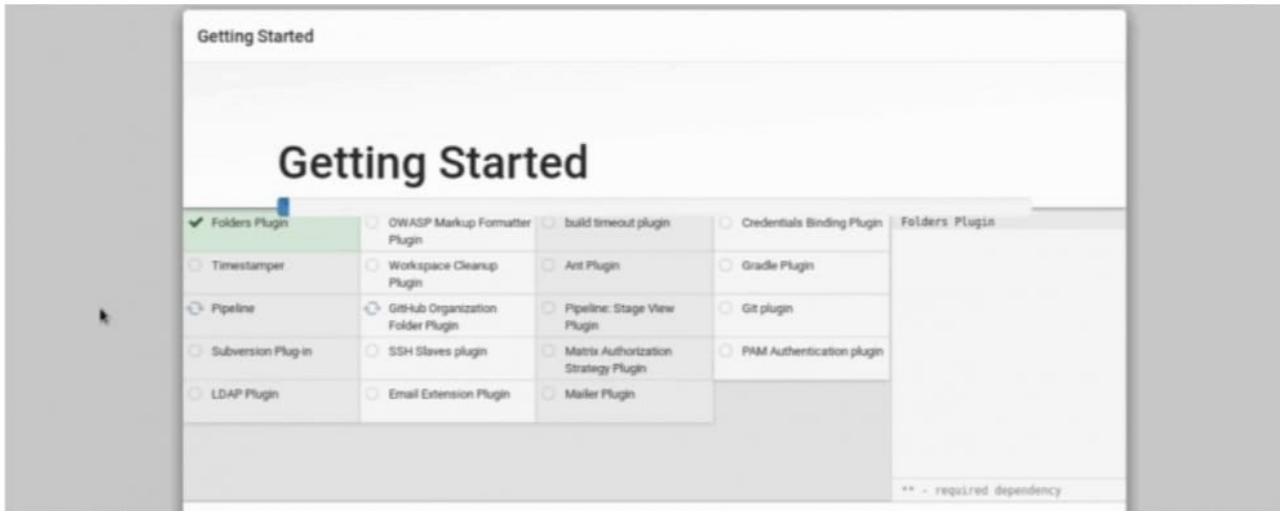

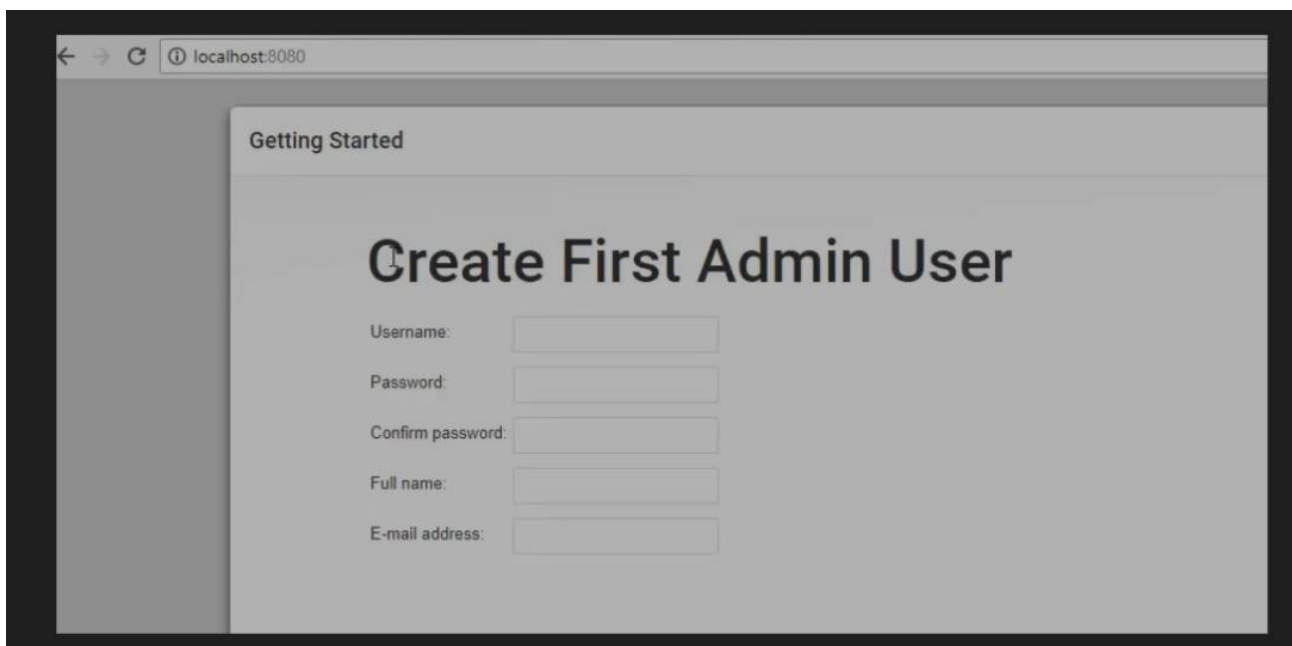*var*/**lib/jenkins/secrets/initialAdminPassword** go this path and copy the pass. And paste here

8 STEP: click on   Install sugested plugins and install them:

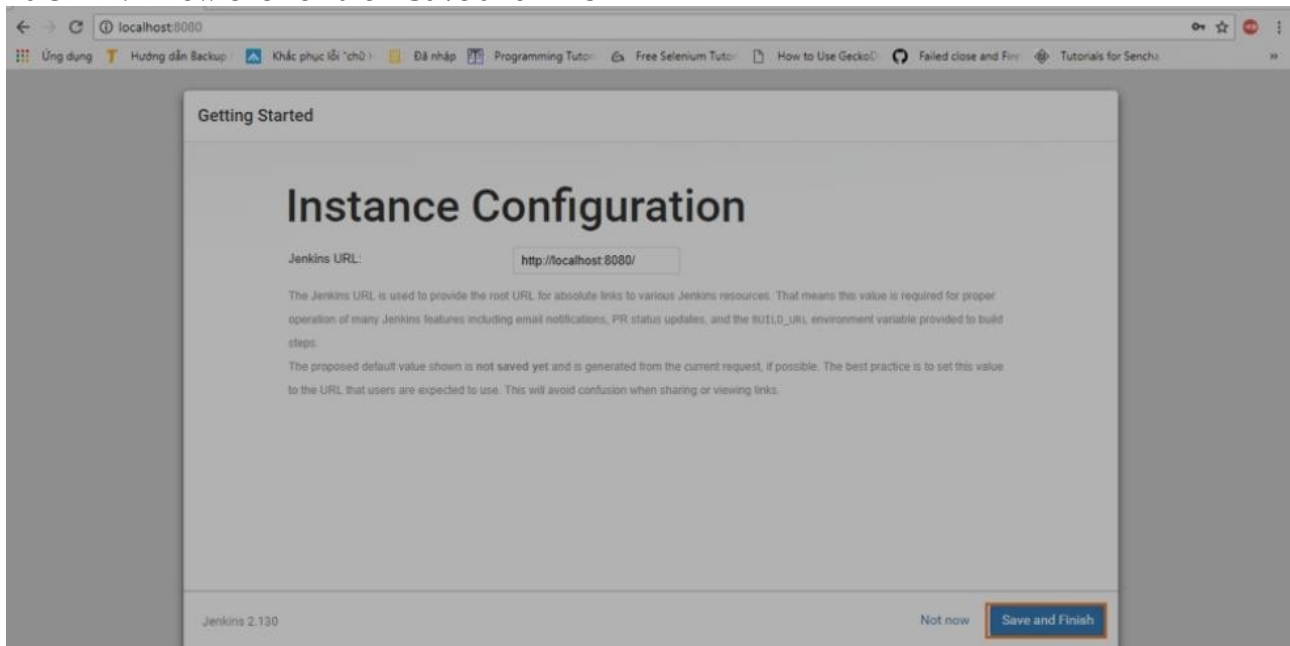wait until the plugins are installed

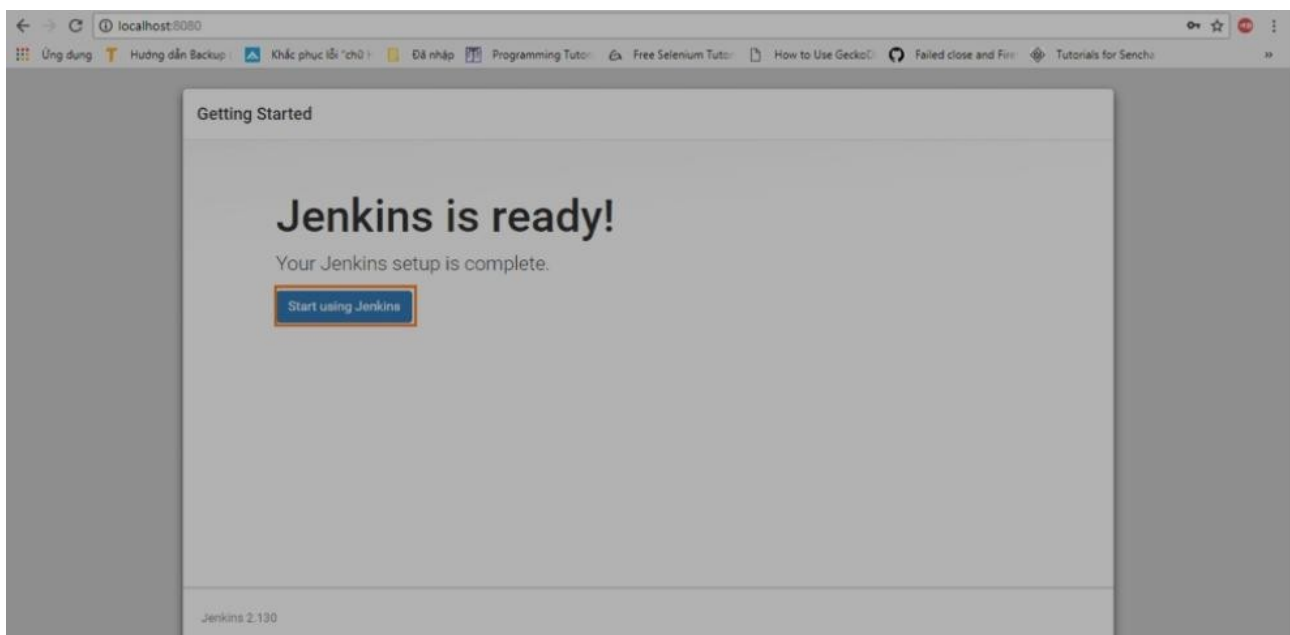9 STEP:-   Create admin user for jenkins. Fill details according to you
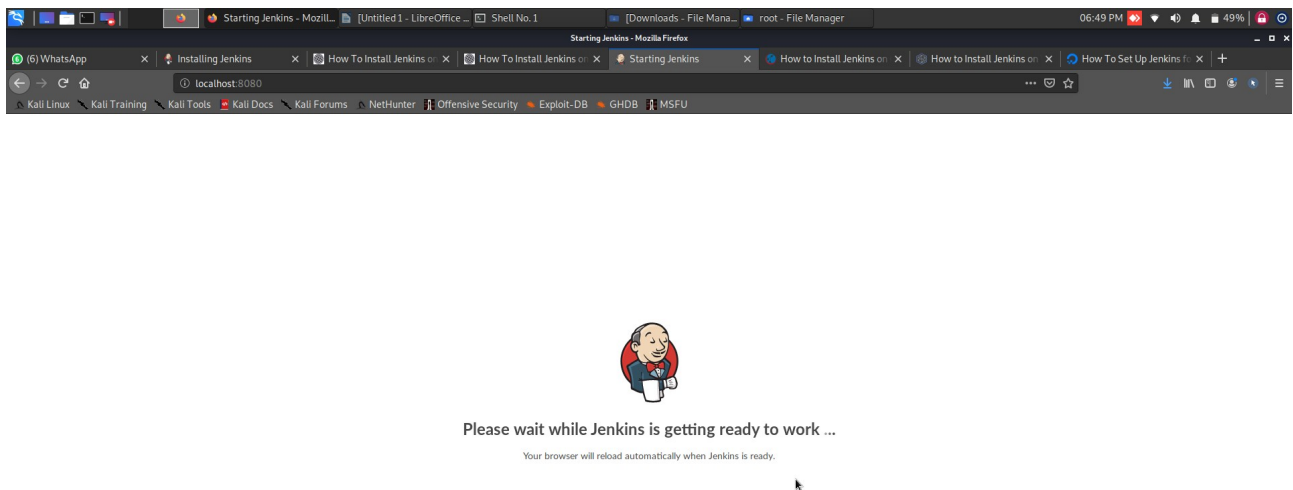

click on Save and continue
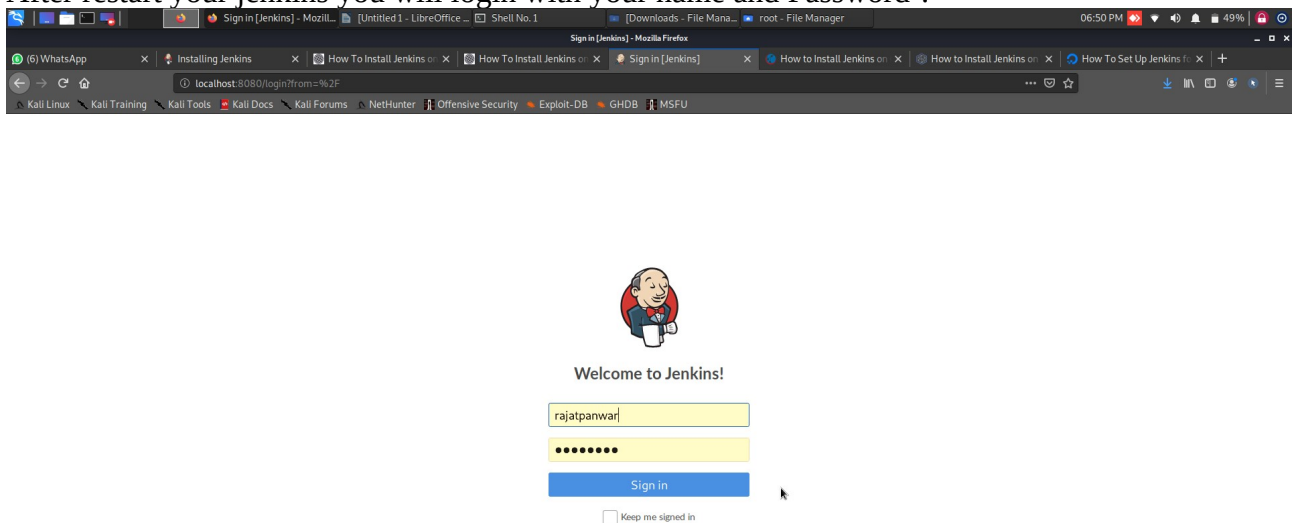
10 STEP:- Now click on the "Save and finish"

11 STEP:- Now click on the "Start using jenkins"

After that complete this process you can see your screen like this:-

After restart your jenkins you will login with your name and Password-:
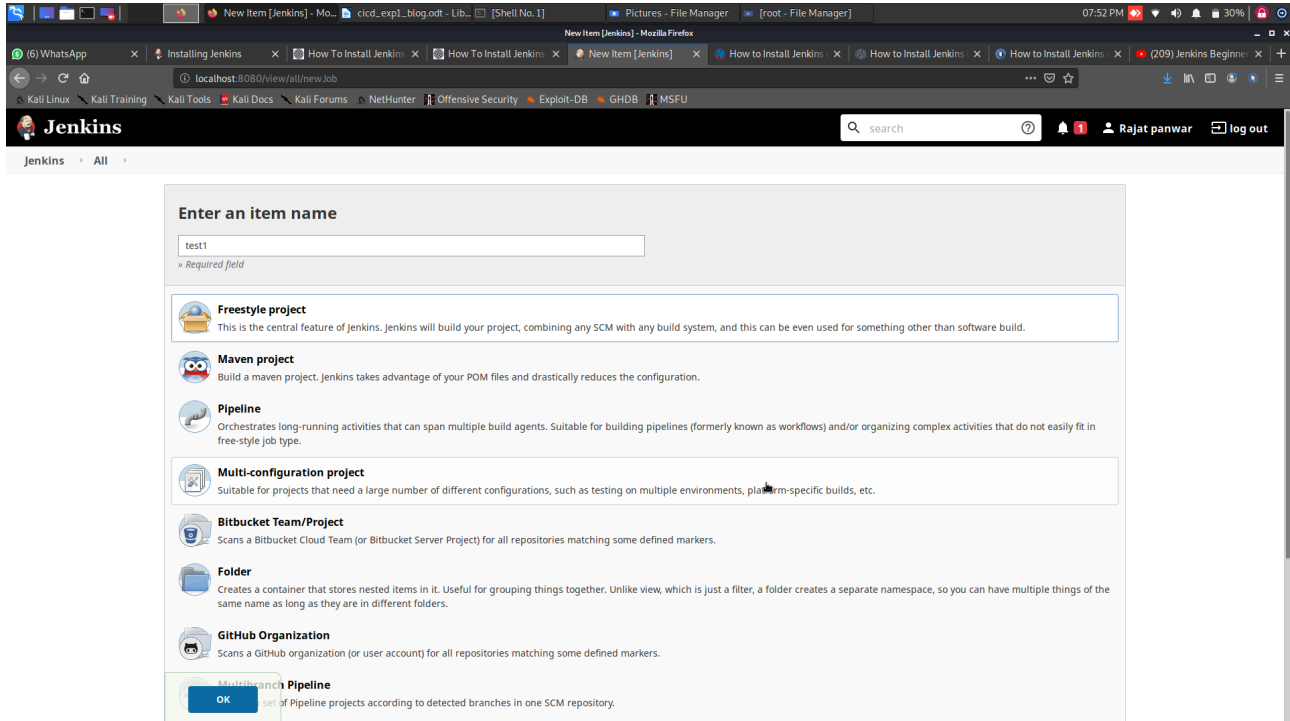
now finish your installation process

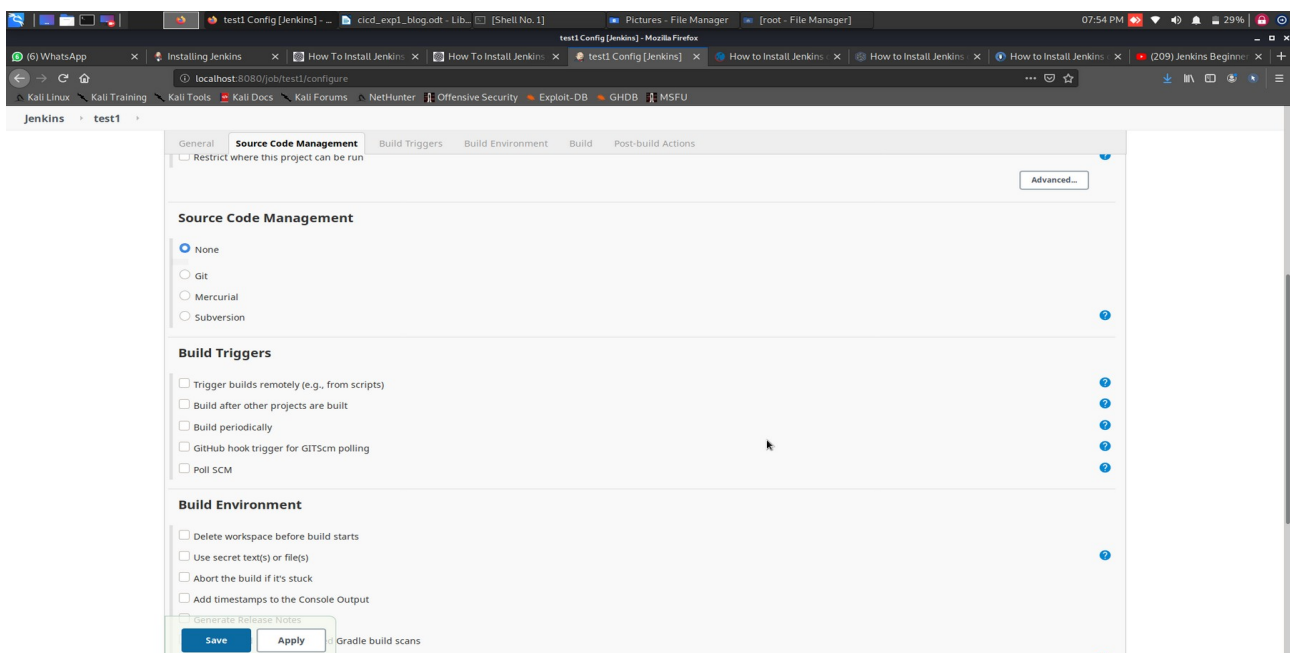# After that you create your simple job on jenkins:

1 STEP:- Now click on the "**New Item**" and "**Freestyle project**"
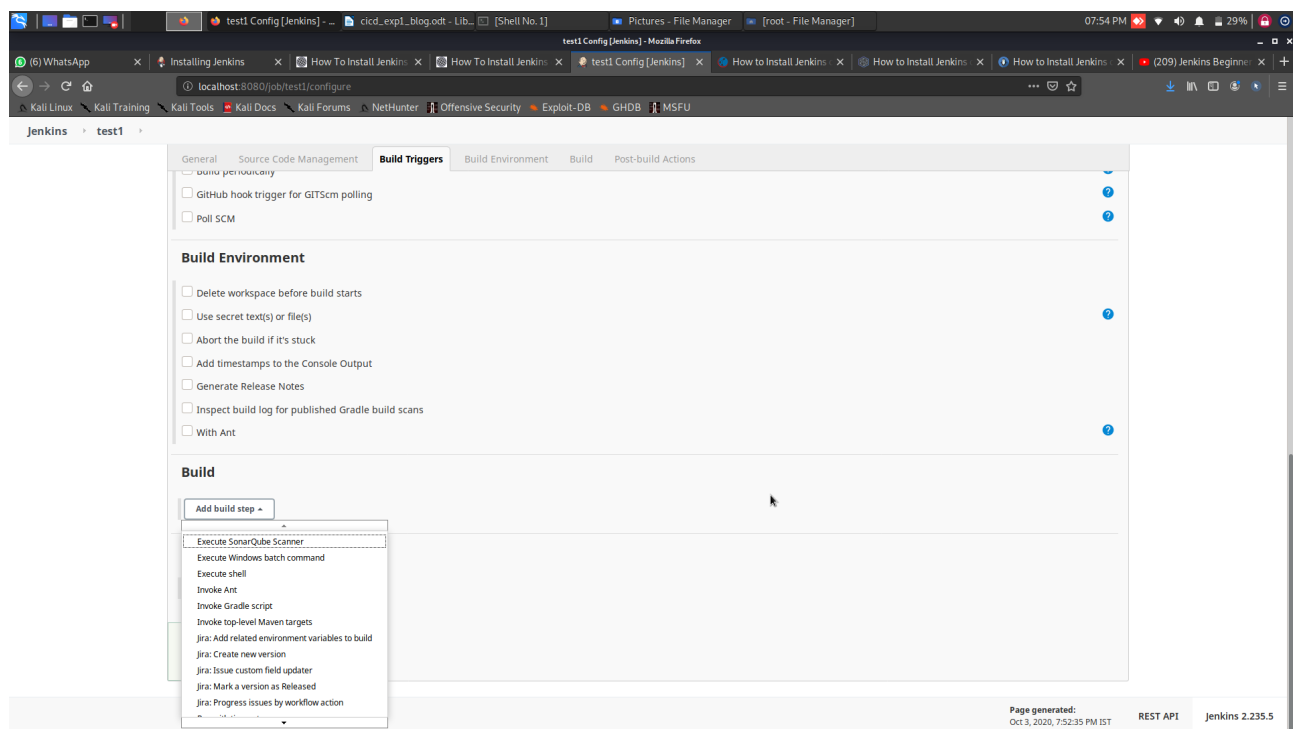   i) Enter your job name "**test1**"

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and click on "**OK**"

2 STEP:- Go on Source code management and click on "**None**" for create a simple job

After that go on build triggers tag and **choose to according your system**

1) **If you have <u>windows OS</u> than select "Execute windows batch command"**
2) **If you have <u>mac or linux OS</u> than select "Execute Shell"**

I have linux os so i will choose Ececute shell and run **<u>"date"</u>** command
- With the help of this command we can print the latest date and time
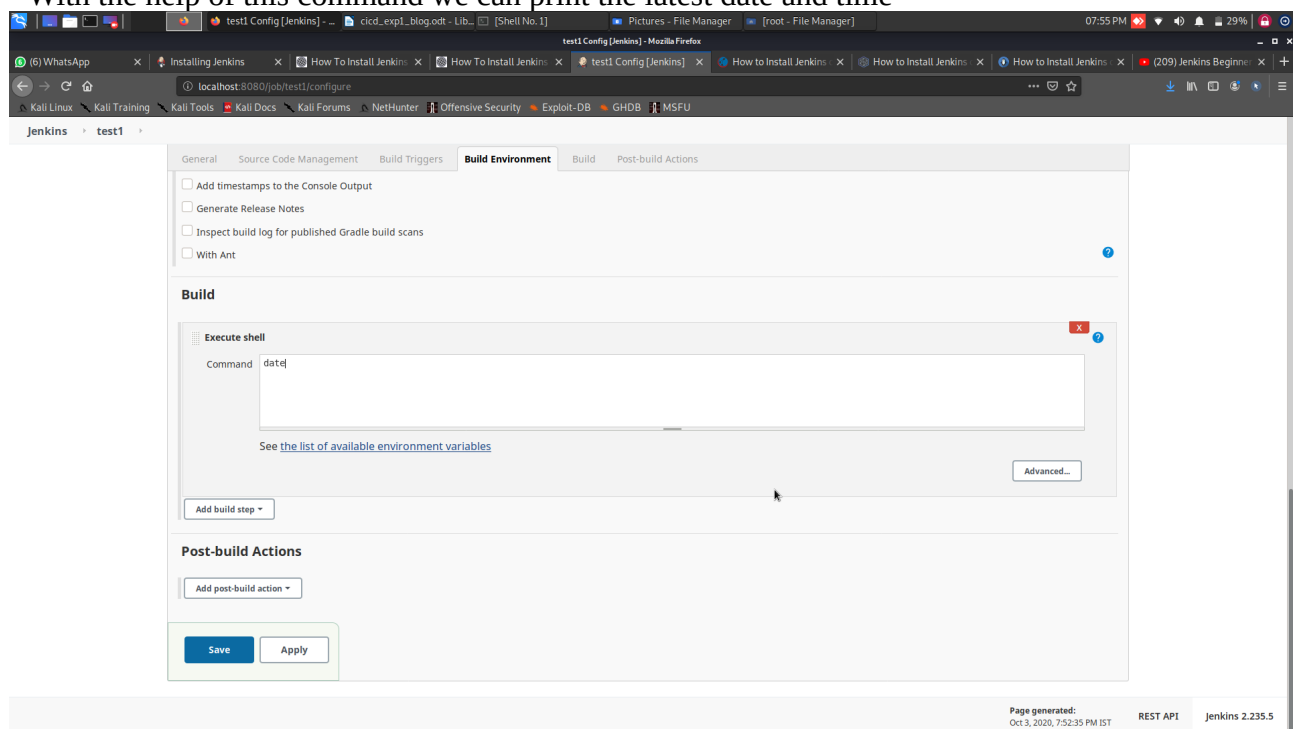
and click on "apply" first and than "save"

You can see your dashboard after complete 2 STEP and you can see your project also:
-**In my case my project name is "test1"**

3 STEP:- We need to create build for this project than click on **"build now"**

4 STEP:- After that we want to see the console output than click on **"Console oputput"**
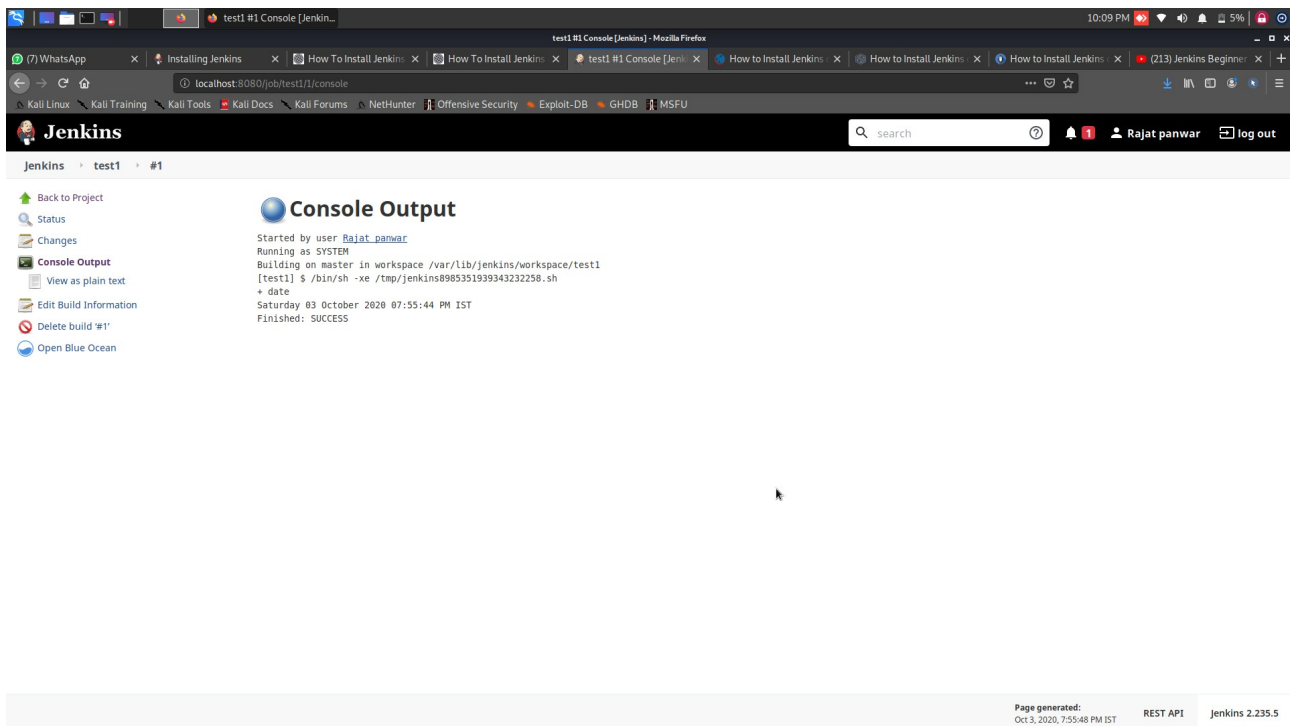
If finished: Success than job has created successfully
If finished: failed   than job has not created successfully.

I HOPE THIS BLOG WILL BE HELPFULL FOR ALL BASED ON JENKINS INSTALLATION AND CREATE A SIMPLE JOB

THANK YOU