

BLOG-2

(FOR LINUX OS)

AIM- Jenkins integration with github

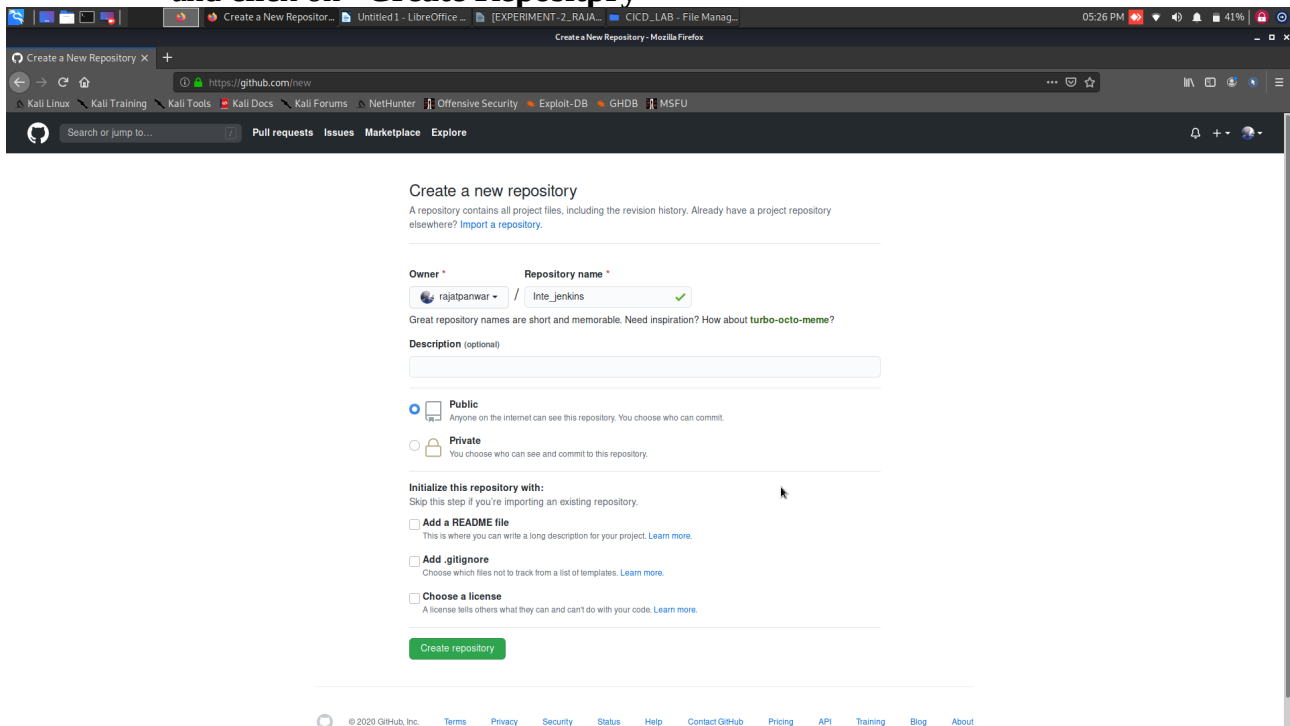
FIRST OF ALL U HAVE TO INSTALL GIT IN YOUR SYSTEM

sudo apt-get install git with the help of this command

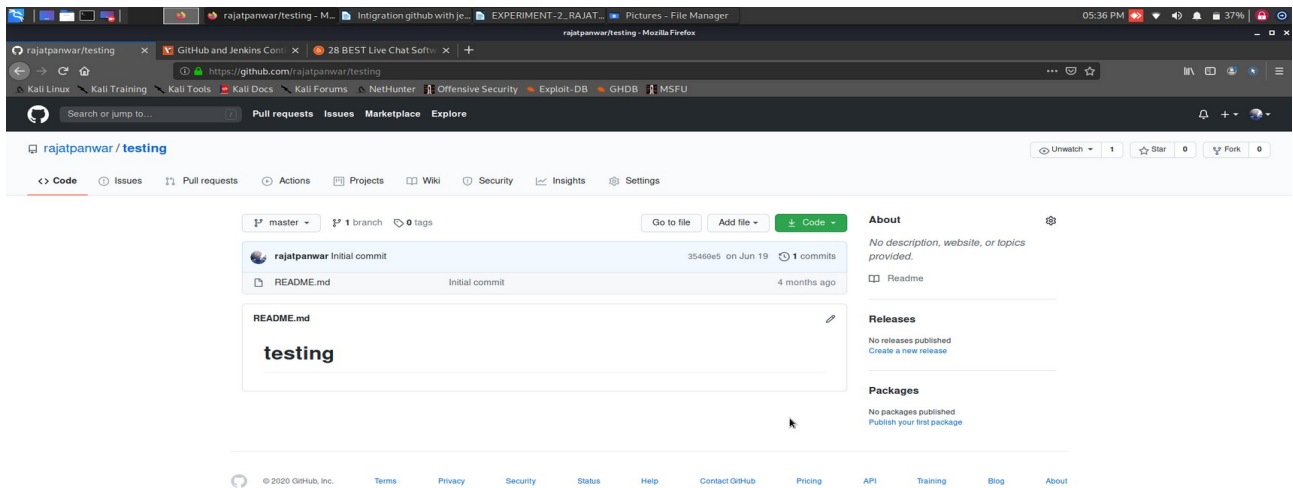
1 STEP:- Start your jenkins with this URL:-

<http://localhost:8080>

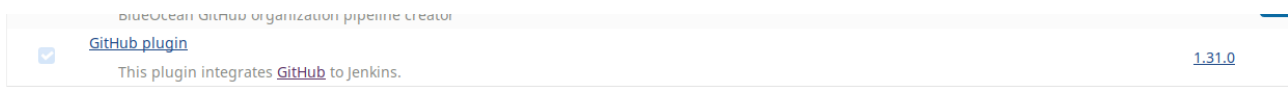
2 STEP:- Open your github and create a new repository or you can take Exist Repository and click on **“Create Repository”**



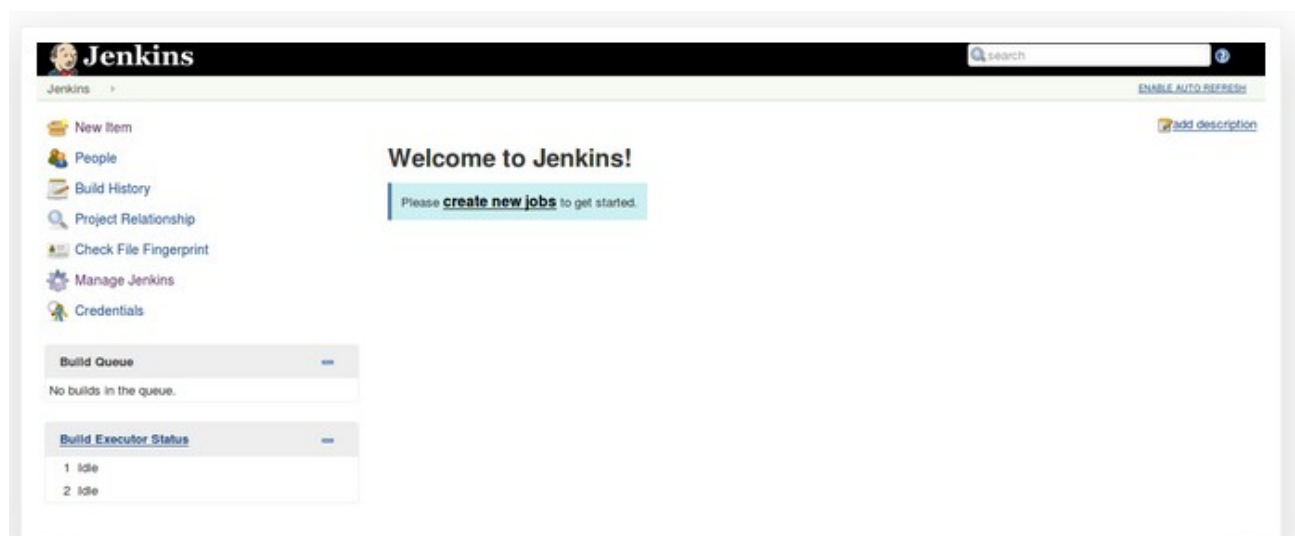
For exist Repository:-



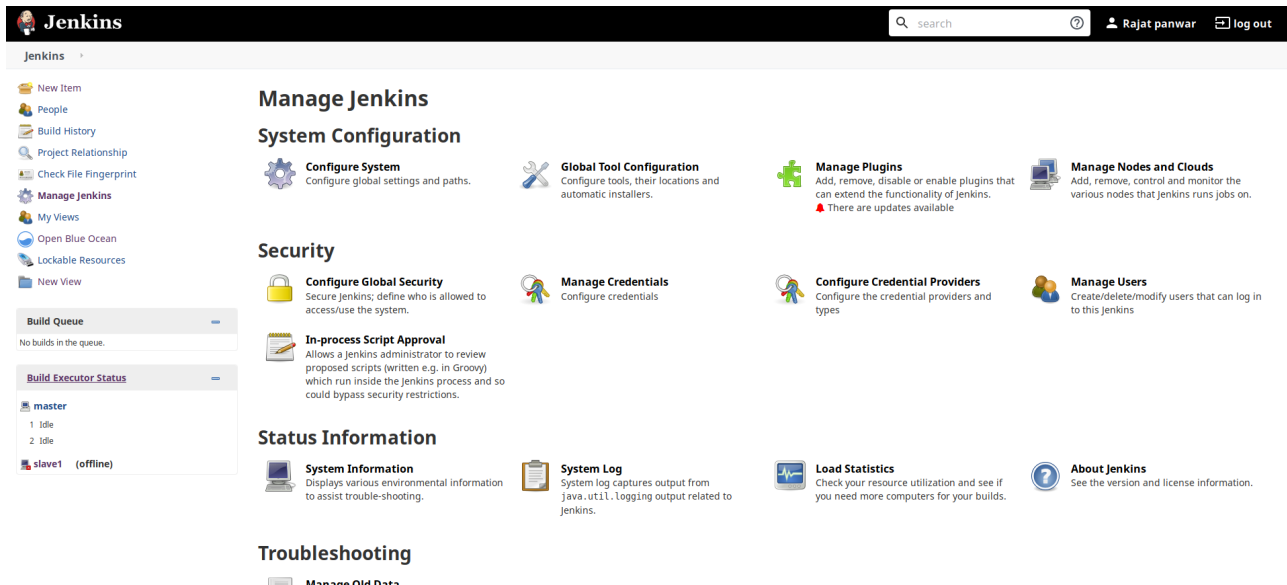
3 STEP: Install the jenkins Plugin **“Github plugin”**



i) Click on Manage jenkins



ii)after that click on “**Manage plugin**”



iii) after that you have two option

Available- If you have not downloaded “**Github plugin** ” than click on Available

Installed- If you have already downloaded than check in Installed

In my case i have already downloaded than i ll check in INSTALLED

Watch in last of this page:

Updates Available Installed Advanced						
Enabled	Name	Version	Previously installed version	Uninstall		
<input checked="" type="checkbox"/>	Apache HttpComponents Client 4.x API Plugin Bundles Apache HttpComponents Client 4.x and allows it to be used by Jenkins plugins. This plugin is up for adoption! We are looking for new maintainers. Visit our Adopt a Plugin initiative for more information.	4.5.10-2.0		Uninstall		
<input checked="" type="checkbox"/>	Blue Ocean BlueOcean Aggregator Warning: The currently installed plugin version may not be safe to use. Please review the following security notices: <ul style="list-style-type: none"> • Path traversal vulnerability • Missing permission check 	1.23.2		Downgrade to 1.23.2		Uninstall
<input checked="" type="checkbox"/>	Credentials Plugin This plugin allows you to store credentials in Jenkins.	2.3.13		Uninstall		
<input checked="" type="checkbox"/>	Display URL API Provides the DisplayURLProvider extension point to provide alternate URLs for use in notifications	2.3.3		Uninstall		
<input checked="" type="checkbox"/>	Git This plugin integrates Git with Jenkins.	4.4.1		Uninstall		
<input checked="" type="checkbox"/>	GitHub API Plugin This plugin provides GitHub API for other plugins.	1.116		Uninstall		
<input checked="" type="checkbox"/>	GitHub Branch Source Multibranch projects and organization folders from GitHub. Maintained by CloudBees, Inc.	2.9.0		Uninstall		
<input checked="" type="checkbox"/>	GitHub Pipeline for Blue Ocean BlueOcean GitHub organization pipeline creator	1.23.2		Downgrade to 1.23.2		Uninstall
<input checked="" type="checkbox"/>	GitHub plugin This plugin integrates GitHub to Jenkins.	1.31.0		Uninstall		

In case of Available:-

The screenshot shows the Jenkins Plugin Manager interface. The 'Available' tab is selected, and a search filter 'github plu' is applied. The 'GitHub plugin' is listed with version 1.17.1. Below the table, there are two buttons: 'Install without restart' and 'Download now and install after restart'. The 'Download now and install after restart' button is highlighted in the original image.

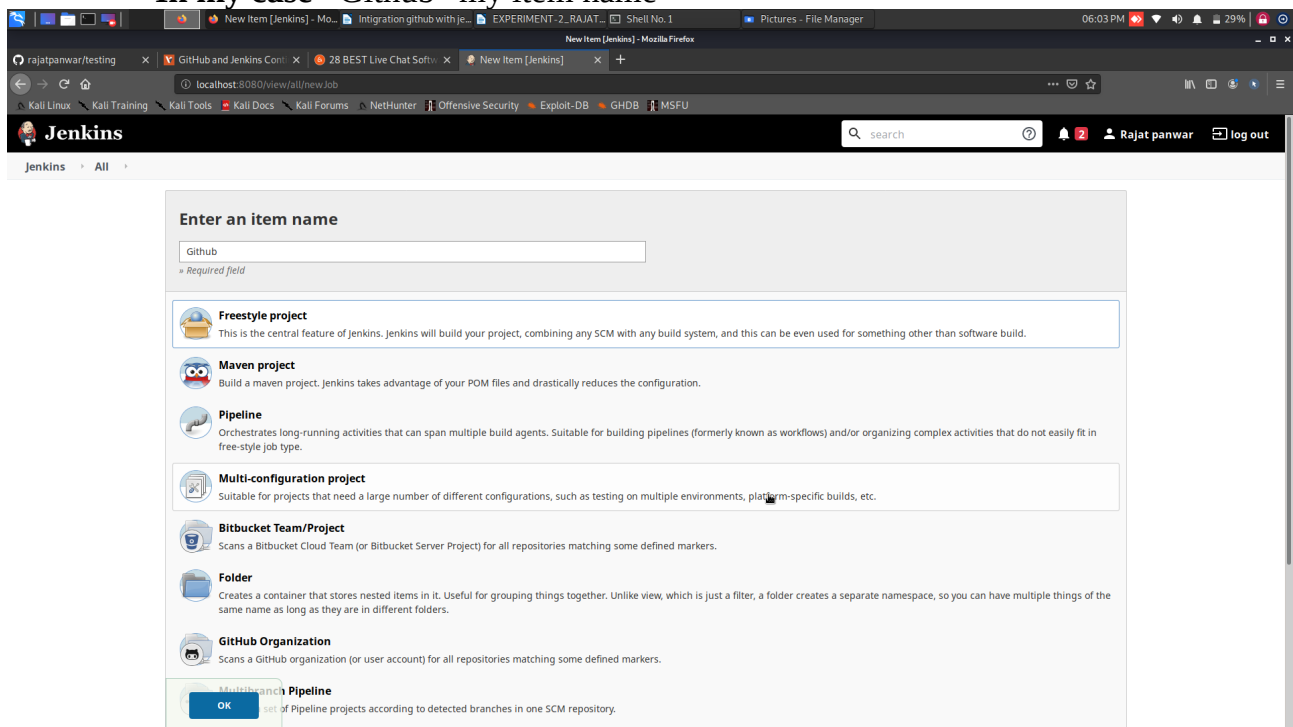
and click on “**Download now and install after restart**”

4 STEP:- Now for create a new job click on that “**NEW ITEM**”



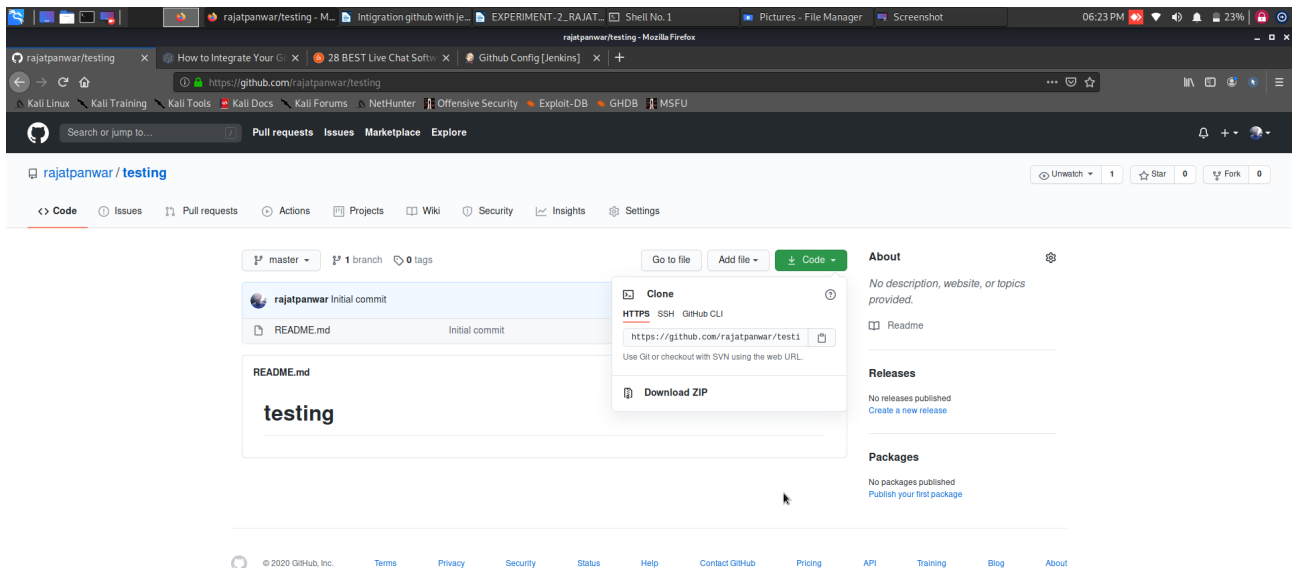
5 STEP:- Enter item name and click on “Freestyle project”

In my case “Github” my item name



and press “OK”

NOW GO ON YOUR GITHUB PAGE AND COPY URL:-

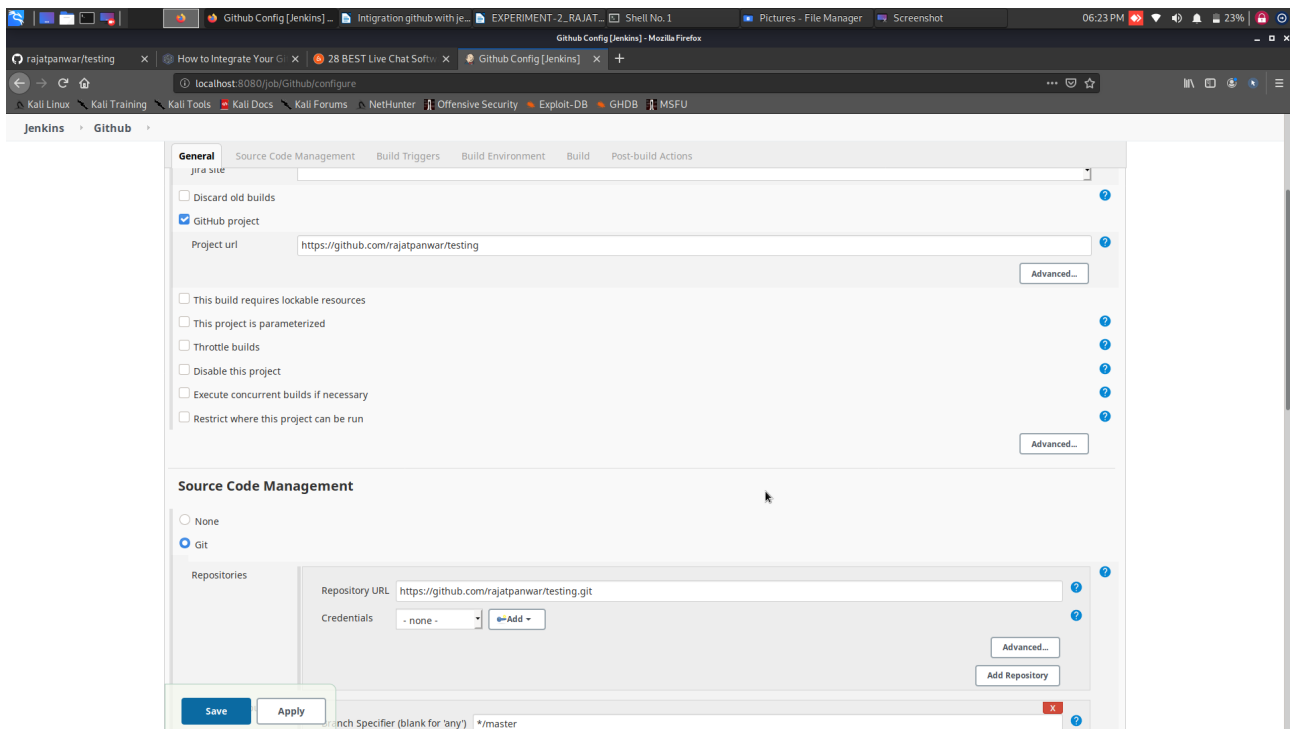


Click on GREEN BUTTON “**Code**” and copy the github URL and Copy Second URL from bar in my case the Two URL are:-

<https://github.com/rajatpanwar/testing> --> tak from BAR URL

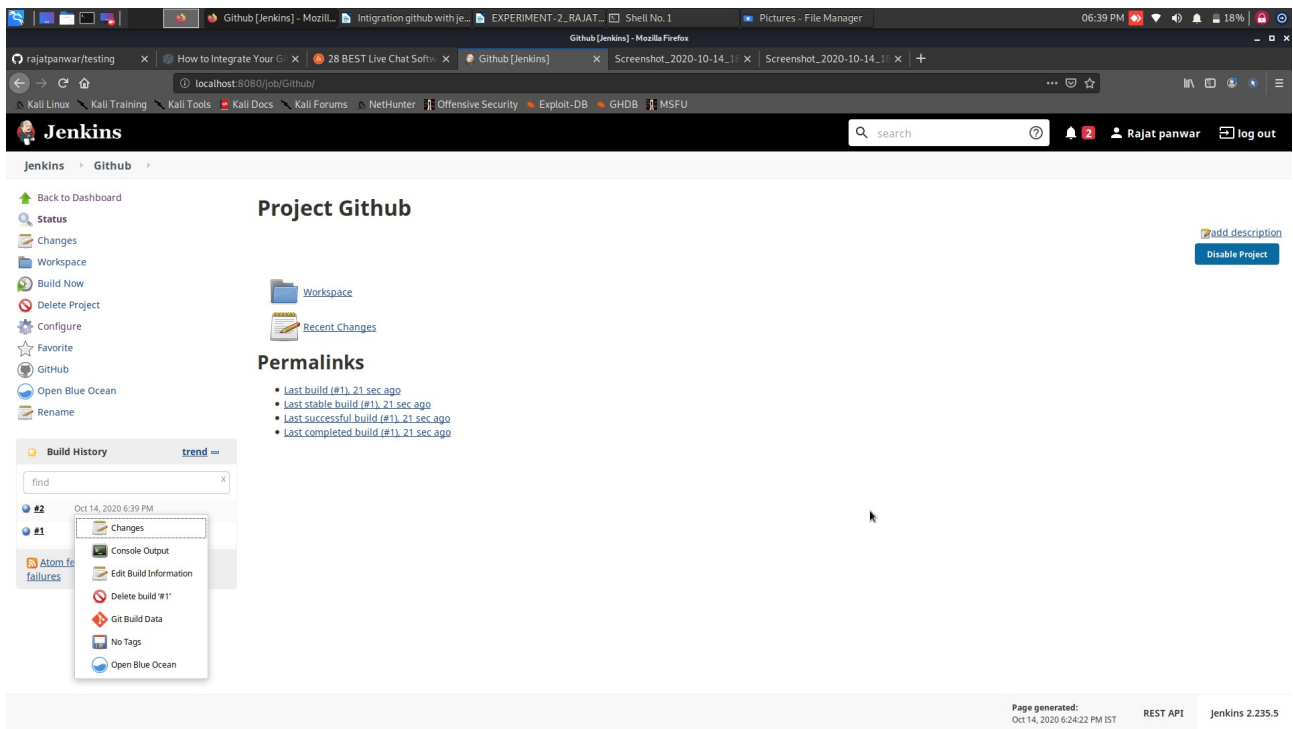
<https://github.com/rajatpanwar/testing.git> ---> Github URL --->> Clcik on “CODE “button which color is green

6 STEP:- And paste both URL:-

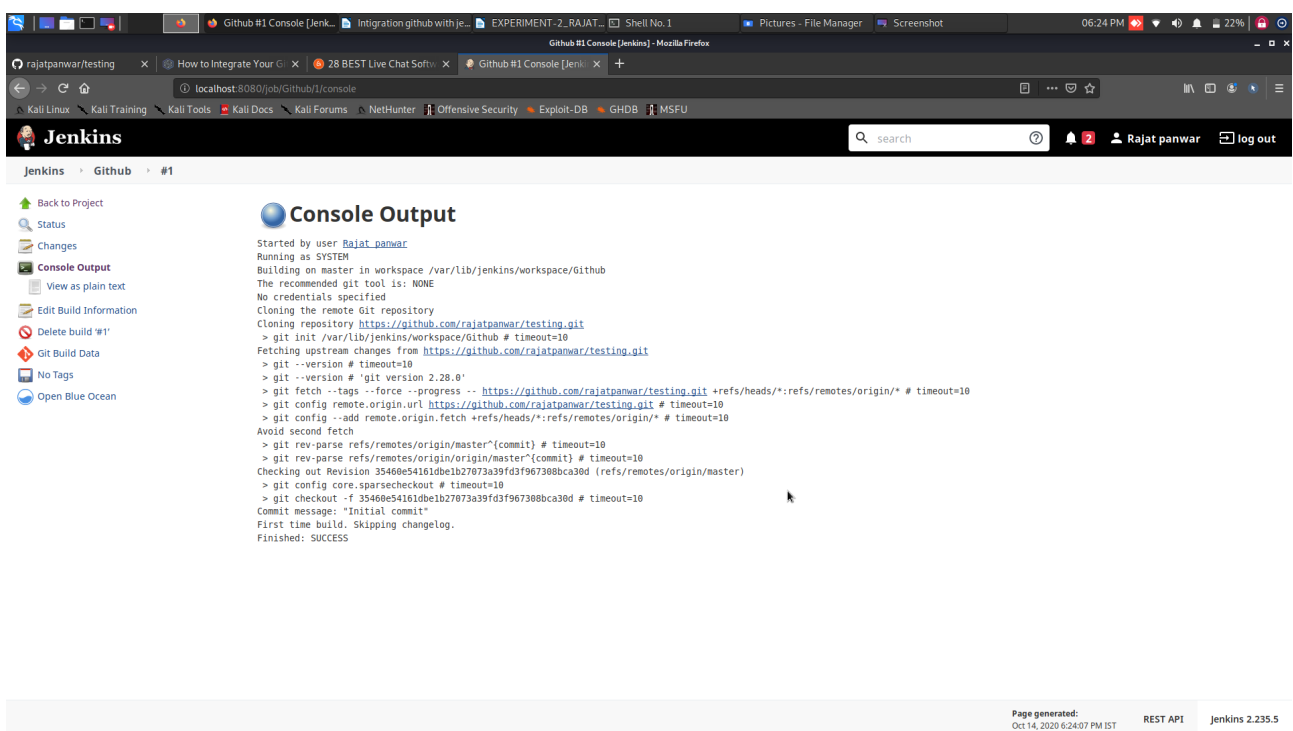


and click on **“APPLY”** and **“SAVE”**

7 STEP:- Now click on **“Build now”** and to see console output click on **“console”**
Build now button is left side and after click on that Go build history and click on Build number in my case build number is **1 and 2** where you can find console button.



This is the console output:-



THANK YOU
I HOPE IT WILL BE HELPFULL FOR ALL