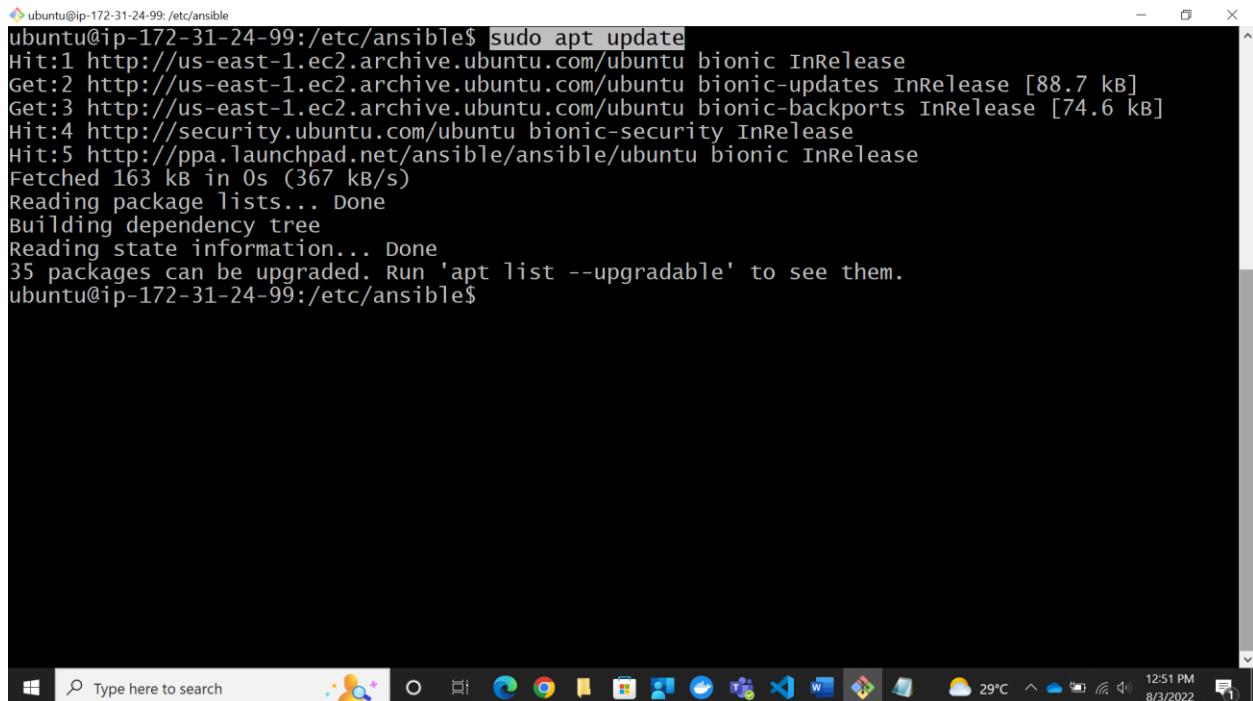


Jenkins – Git

Jenkins

In this project, Jenkins installed. The project is created using github link. There are two projects: Git_sample_build and sample_test.

1. Update



```
ubuntu@ip-172-31-24-99:/etc/ansible$ sudo apt update
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic InRelease
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic-updates InRelease [88.7 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic-backports InRelease [74.6 kB]
Hit:4 http://security.ubuntu.com/ubuntu bionic-security InRelease
Hit:5 http://ppa.launchpad.net/ansible/ansible/ubuntu bionic InRelease
Fetched 163 kB in 0s (367 kB/s)
Reading package lists... Done
Building dependency tree
Reading state information... Done
35 packages can be upgraded. Run 'apt list --upgradable' to see them.
ubuntu@ip-172-31-24-99:/etc/ansible$
```

2. We need to install java

```
ubuntu@ip-172-31-24-99:~$ sudo apt install openjdk-8-jdk -y
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
adwaita-icon-theme at-spi2-core ca-certificates-java fontconfig fontconfig-config
fonts-dejavu-core fonts-dejavu-extra gtk-update-icon-cache hicolor-icon-theme
humanity-icon-theme java-common libasound2 libasound2-data libasyncns0 libatk-bridge2.0-0
libatk-wrapper-java libatk-wrapper-java-jni libatk1.0-0 libatk1.0-data libatspi2.0-0
libavahi-client3 libavahi-common-data libavahi-common3 libcairo2 libcroco3 libcups2
libdatrie1 libdrm-amdgpu1 libdrm-intel1 libdrm-nouveau2 libdrm-radeon1 libflac8
libfontconfig1 libfontenc1 libgail-common libgail18 libgdk-pixbuf2.0-0
libgdk-pixbuf2.0-bin libgdk-pixbuf2.0-common libglib7 libglib1-mesa-dri
libglib1-mesa-glx libglapi-mesa libglvnd0 libglx-mesa0 libglx0 libgraphite2-3 libgtk2.0-0
libgtk2.0-bin libgtk2.0-common libharfbuzz0b libice-dev libice6 libjbig0 libjpeg-turbo8
libjpeg8 liblcms2-2 libl1vm10 libnspr4 libnss3 libogg0 libpango-1.0-0 libpangocairo-1.0-0
libpangoft2-1.0-0 libpcaccess0 libpcslite1 libpixman-1-0 libpthread-stubs0-dev libpulse0
librsvg2-2 librsvg2-common libsensors4 libsm-dev libsm6 libsndfile1 libthai-data libthai0
libtiff5 libvorbis0a libvorbisenc2 libx11-dev libx11-doc libx11-xcb1 libxau-dev libxaw7
libxcb-dri2-0 libxcb-dri3-0 libxcb-glx0 libxcb-present0 libxcb-render0 libxcb-shape0
libxcb-shm0 libxcb-sync1 libxcb1-dev libcomposite1 libcursor1 libxdamage1 libxdmcp-dev
libxfixes3 libxft2 libxi6 libxinerama1 libxmu6 libxpmp4 libxrandr2 libxrender1
libxshmfence1 libxt-dev libxt6 libxtst6 libxv1 libxxf86dga1 libxxf86vm1
openjdk-8-jdk-headless openjdk-8-jre openjdk-8-jre-headless ubuntu-mono x11-common
x11-utils x11proto-core-dev x11proto-dev xorg-sgml-doctools xtrans-dev
Suggested packages:
default-jre libasound2-plugins als-audio cups-common gvfs libice-doc liblcms2-utils pcscd
```

3. To check whether java installed or not by verifying version.

```
ubuntu@ip-172-31-24-99: /etc/ansible$ java -version
openjdk version "1.8.0_312"
OpenJDK Runtime Environment (build 1.8.0_312-8u312-b07-0ubuntu1~18.04-b07)
OpenJDK 64-Bit Server VM (build 25.312-b07, mixed mode)
ubuntu@ip-172-31-24-99: /etc/ansible$ |
```

4. We need to install maven.

```
ubuntu@ip-172-31-24-99: /etc/ansible
OpenJDK 64-Bit Server VM (build 25.312-b07, mixed mode)
ubuntu@ip-172-31-24-99:/etc/ansible$ clear
ubuntu@ip-172-31-24-99:/etc/ansible$ sudo apt-get install -y git maven
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
libaopalliance-java libapache-pom-java libatinject-jsr330-api-java libcdi-api-java
libcommons-cli-java libcommons-io-java libcommons-lang3-java libcommons-parent-java
libgeronimo-annotation-1.3-spec-java libgeronimo-interceptor-3.0-spec-java libguava-java
libguice-java libhawtjni-runtime-java libjansi-java libjansi-native-java libjsr305-java
libmaven-parent-java libmaven-resolver-java libmaven-shared-utils-java libmaven3-core-java
libplexus-cipher-java libplexus-classworlds-java libplexus-component-annotations-java
libplexus-interpolation-java libplexus-sec-dispatcher-java libplexus-utils2-java
libsisu-inject-java libsisu-plexus-java libsf4j-java libwagon-file-java
libwagon-http-shaded-java libwagon-provider-api-java
Suggested packages:
git-daemon-run | git-daemon-sysvinit git-doc git-el git-email git-gui gitk gitweb git-cvs
git-mediawiki git-svn libaopalliance-java-doc libatinject-jsr330-api-java-doc
libservlet3.1-java libcommons-io-java-doc libcommons-lang3-java-doc libasm-java
libcglib-java libjsr305-java-doc libmaven-shared-utils-java-doc liblogback-java
libplexus-cipher-java-doc libplexus-classworlds-java-doc libplexus-interpolation-java-doc
libplexus-sec-dispatcher-java-doc libplexus-utils2-java-doc junit4 testng
libcommons-logging-java liblog4j1.2-java
The following NEW packages will be installed:
libaopalliance-java libapache-pom-java libatinject-jsr330-api-java libcdi-api-java
libcommons-cli-java libcommons-io-java libcommons-lang3-java libcommons-parent-java
ubuntu@ip-172-31-24-99: /etc/ansible
```

5. To check whether maven is installed or not.

```
ubuntu@ip-172-31-24-99: /etc/ansible
Setting up libmaven-parent-java (31-2~18.04) ...
Setting up libaopalliance-java (20070526-6) ...
Setting up libgeronimo-annotation-1.3-spec-java (1.0-1) ...
Setting up git (1:2.17.1-1ubuntu0.12) ...
Setting up libcommons-cli-java (1.4-1) ...
Setting up libplexus-sec-dispatcher-java (1.4-3) ...
Setting up libjansi-java (1.16-1) ...
Setting up libguava-java (19.0-1) ...
Setting up libwagon-file-java (3.0.0-2) ...
Setting up libcommons-parent-java (43-1) ...
Setting up libcdi-api-java (1.2-2) ...
Setting up libcommons-lang3-java (3.8-1~18.04.2) ...
Setting up libcommons-io-java (2.6-2ubuntu0.18.04.1) ...
Setting up libguice-java (4.0-4) ...
Setting up libmaven-shared-utils-java (3.3.0-1~18.04) ...
Setting up libsusu-inject-java (0.3.2-2) ...
Setting up libsusu-plexus-java (0.3.3-3) ...
Setting up libmaven3-core-java (3.6.0-1~18.04.1) ...
Setting up maven (3.6.0-1~18.04.1) ...
update-alternatives: using /usr/share/maven/bin/mvn to provide /usr/bin/mvn (mvn) in auto mode
ubuntu@ip-172-31-24-99:/etc/ansible$ mvn --version
Apache Maven 3.6.0
Maven home: /usr/share/maven
Java version: 1.8.0_312, vendor: Private Build, runtime: /usr/lib/jvm/java-8-openjdk-amd64/jre
Default locale: en, platform encoding: UTF-8
os.name: "linux", version: "5.4.0-1078-aws", arch: "amd64", family: "unix"
ubuntu@ip-172-31-24-99:/etc/ansible$
```

6. To check whether git installed or not.

```
ubuntu@ip-172-31-24-99: /etc/ansible
ubuntu@ip-172-31-24-99:/etc/ansible$ git --version
git version 2.17.1
ubuntu@ip-172-31-24-99:/etc/ansible$
```



7. Now, installing Jenkins.

```
ubuntu@ip-172-31-24-99: /etc/ansible
ubuntu@ip-172-31-24-99:/etc/ansible$ wget https://get.jenkins.io/war-stable/2.277.2/jenkins.war
--2022-08-03 07:28:33-- https://get.jenkins.io/war-stable/2.277.2/jenkins.war
Resolving get.jenkins.io (get.jenkins.io)... 52.167.253.43
Connecting to get.jenkins.io (get.jenkins.io)|52.167.253.43|:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://mirror.gruenehoelle.nl/jenkins/war-stable/2.277.2/jenkins.war [following]
--2022-08-03 07:28:33-- https://mirror.gruenehoelle.nl/jenkins/war-stable/2.277.2/jenkins.war
Resolving mirror.gruenehoelle.nl (mirror.gruenehoelle.nl)... 185.132.179.22, 2a00:7c80:0:de::2
Connecting to mirror.gruenehoelle.nl (mirror.gruenehoelle.nl)|185.132.179.22|:443... connected
.
HTTP request sent, awaiting response... 200 OK
Length: 70887351 (68M) [application/java-archive]
jenkins.war: Permission denied

Cannot write to 'jenkins.war' (Success).
ubuntu@ip-172-31-24-99:/etc/ansible$ |
```



```

ubuntu@ip-172-31-24-99: /etc/ansible
Resolving ftp-nyc.osuosl.org (ftp-nyc.osuosl.org)... 64.50.233.100, 2600:3404:200:237::2
Connecting to ftp-nyc.osuosl.org (ftp-nyc.osuosl.org)|64.50.233.100|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 91198171 (87M) [application/x-java-archive]
jenkins.war: Permission denied

Cannot write to 'jenkins.war' (Success).
ubuntu@ip-172-31-24-99:/etc/ansible$ sudo wget http://mirrors.jenkins.io/war-stable/latest/jenkins.war
URL transformed to HTTPS due to an HSTS policy
--2022-08-03 07:31:24-- https://mirrors.jenkins.io/war-stable/latest/jenkins.war
Resolving mirrors.jenkins.io (mirrors.jenkins.io)... 52.167.253.43
Connecting to mirrors.jenkins.io (mirrors.jenkins.io)|52.167.253.43|:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://ftp-nyc.osuosl.org/pub/jenkins/war-stable/latest/jenkins.war [following]
--2022-08-03 07:31:24-- https://ftp-nyc.osuosl.org/pub/jenkins/war-stable/latest/jenkins.war
Resolving ftp-nyc.osuosl.org (ftp-nyc.osuosl.org)... 64.50.233.100, 2600:3404:200:237::2
Connecting to ftp-nyc.osuosl.org (ftp-nyc.osuosl.org)|64.50.233.100|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 91198171 (87M) [application/x-java-archive]
Saving to: 'jenkins.war'

jenkins.war          100%[=====] 86.97M 27.1MB/s   in 3.3s

2022-08-03 07:31:28 (26.4 MB/s) - 'jenkins.war' saved [91198171/91198171]
ubuntu@ip-172-31-24-99:/etc/ansible$ |

```

8. Now, running Jenkins.war file to open Jenkins in the browser.

```

ubuntu@ip-172-31-24-99: /etc/ansible
ubuntu@ip-172-31-24-99:/etc/ansible$ clear
ubuntu@ip-172-31-24-99:/etc/ansible$ java -jar jenkins.war
Aug 03, 2022 7:32:28 AM Main verifyJavaVersion
WARNING: You are running Jenkins on Java 1.8, support for which will end on or after September 1, 2022. Please refer to the documentation for details on upgrading to Java 11: https://www.jenkins.io/redirect/upgrading-jenkins-java-version-8-to-11
Running from: /etc/ansible/jenkins.war
webroot: $user.home/.jenkins
2022-08-03 07:32:28.491+0000 [id=1]      INFO    org.eclipse.jetty.util.log.Log#initialized: Logging initialized @949ms to org.eclipse.jetty.util.log.JavaUtilLog
2022-08-03 07:32:28.637+0000 [id=1]      INFO    winstome.Logger#logInternal: Beginning extraction from war file
2022-08-03 07:32:30.625+0000 [id=1]      WARNING o.e.j.s.handler.ContextHandler#setContextPath: Empty contextPath
2022-08-03 07:32:30.753+0000 [id=1]      INFO    org.eclipse.jetty.server.Server#doStart: jetty-9.4.45.v20220203; built: 2022-02-03T09:14:34.105Z; git: 4a0c91c0be53805e3fcffcdcc9587d5301863db; jvm 1.8.0_312-8u312-b07-0ubuntu1~18.04-b07
2022-08-03 07:32:31.388+0000 [id=1]      INFO    o.e.j.w.StandardDescriptorProcessor#visitServlet: NO JSP Support for /, did not find org.eclipse.jsp.JettyJspServlet
2022-08-03 07:32:31.492+0000 [id=1]      INFO    o.e.j.s.s.DefaultSessionIdManager#doStart: DefaultSessionIdManager workerName=node0
2022-08-03 07:32:31.497+0000 [id=1]      INFO    o.e.j.s.s.DefaultSessionIdManager#doStart: No SessionScavenger set, using defaults
2022-08-03 07:32:31.499+0000 [id=1]      INFO    o.e.j.server.session.HouseKeeper#startScavenging: node0 scavenging every 660000ms
2022-08-03 07:32:32.345+0000 [id=1]      INFO    hudson.WebAppMain#contextInitialized: Jenkins

```

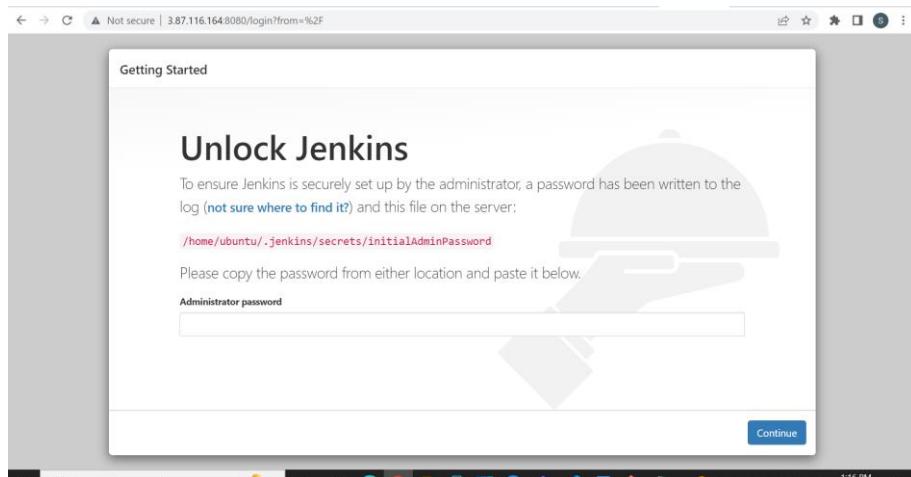
9. Copy Password

```
ubuntu@ip-172-31-24-99: /etc/ansible
*****
Jenkins initial setup is required. An admin user has been created and a password generated.
Please use the following password to proceed to installation:

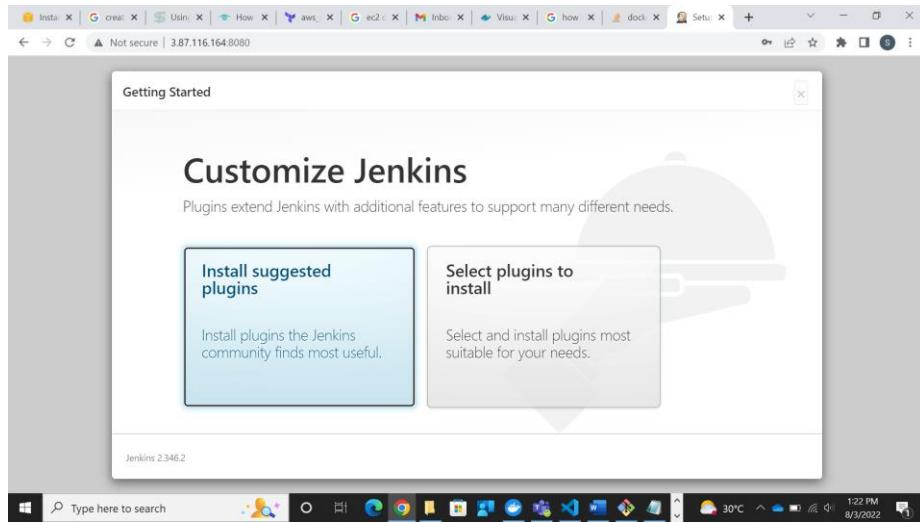
c08d4a5e1df94b388d7861583df72607

This may also be found at: /home/ubuntu/.jenkins/secrets/initialAdminPassword
*****
2022-08-03 07:33:06.499+0000 [id=27]    INFO    jenkins.InitReactorRunner$1#onAttained: completed initialization
2022-08-03 07:33:06.524+0000 [id=20]    INFO    hudson.lifecycle.Lifecycle#onReady: Jenkins is fully up and running
2022-08-03 07:33:06.635+0000 [id=41]    INFO    h.m.DownloadService$Downloadable#load: obtained the updated data file for hudson.tasks.Maven.MavenInstaller
2022-08-03 07:33:06.635+0000 [id=41]    INFO    hudson.util.Retriger#start: Performed the action check updates server successfully at the attempt #1
2022-08-03 07:33:06.638+0000 [id=41]    INFO    hudson.model.AsyncPeriodicWork$lambda$doRun$1: Finished Download metadata. 28,141 ms
```

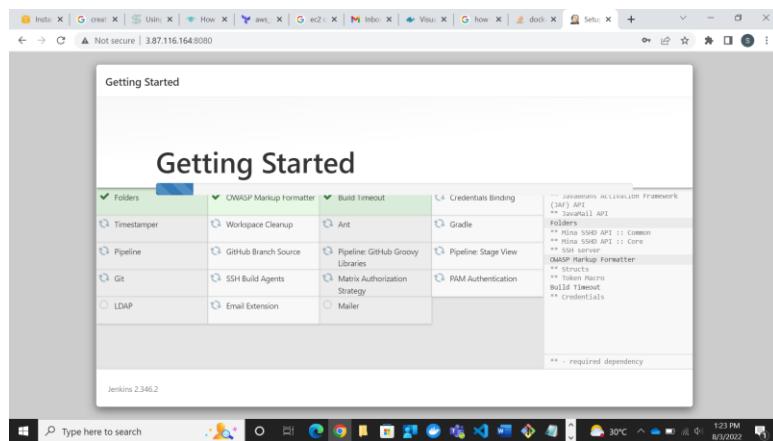
10. Now open Jenkins with ip address (EC2 public ip) with port number (8080) and paste password generated above.



11. Click on “Install suggested plugins”.



12. All the suggested plugins are installing.



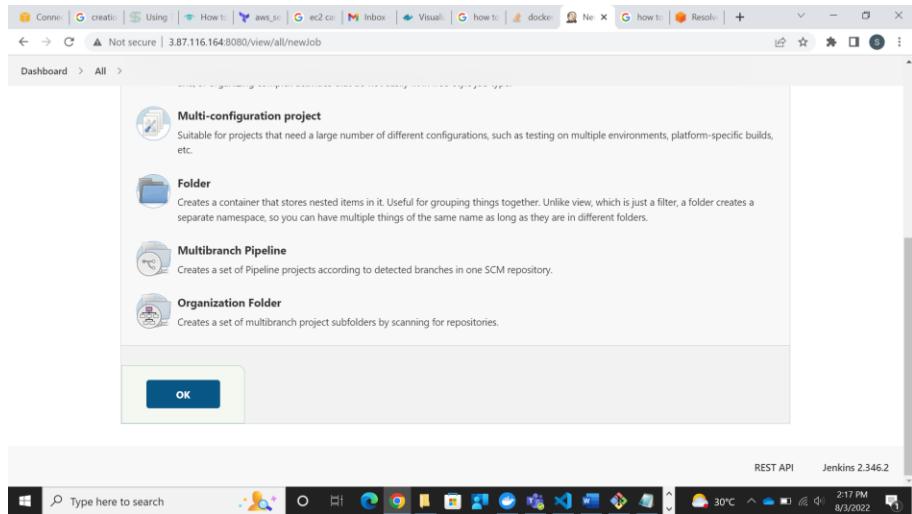
13. Click on "New Item"

The screenshot shows the Jenkins dashboard. On the left, there's a sidebar with links: 'New Item', 'People', 'Build History', 'Manage Jenkins', 'My Views', and 'New View'. Below these are two dropdown menus: 'Build Queue' (No builds in the queue) and 'Build Executor Status' (1 Idle, 2 Idle). In the center, a large box says 'Welcome to Jenkins!' with the sub-instruction 'This page is where your Jenkins jobs will be displayed. To get started, you can set up distributed builds or start building a software project.' Below this is a 'Start building your software project' button. To its right is a 'Create a job' button with an arrow. Further down are 'Set up a distributed build', 'Set up an agent', and 'Configure a cloud' buttons, each with an arrow. At the bottom of the screen is a Windows taskbar with various icons and a search bar.

14. Name of the project is “Git_Sample_Build”

The screenshot shows the 'Enter an item name' dialog. The input field contains 'Git_Sample_Build'. Below the input field, there are several project types listed with their icons and descriptions: 'Freestyle project', 'Maven project', 'Pipeline', 'Multi-configuration project', and 'Folder'. The 'Pipeline' option is currently selected. At the bottom of the dialog are 'OK' and 'Cancel' buttons, with 'Pipeline' also being a visible label.

15. Select “free style project”.



16. Install all plugins which are required to execute a project (Ex. Git)

A screenshot of the Jenkins Update Center page. The title is "Installing Plugins/Upgrades". It shows a list of installed or upgrading plugins with green checkmarks indicating success. The list includes: GIT server, Loading plugin extensions, Loading plugin extensions, Javadoc, Maven Integration, Copy Artifact, Authentication Tokens API, Handy Uri Templates 2.x API, Gitea, Parameterized Trigger, and jQuery. The Jenkins version is shown as 2.346.2 at the top right.

17. In the source code management select “Git” and paste the github path.

The screenshot shows the 'Source Code Management' tab selected in a build configuration interface. Under the 'Repositories' section, 'Git' is chosen as the provider. The 'Repository URL' field contains the value 'https://github.com/archanareddyse/mavenjava.git'. Below it, the 'Credentials' dropdown is set to '- none -'. There are buttons for '+ Add' and 'Advanced...'. At the bottom are 'Save' and 'Apply' buttons.

18. Specify whether master or main branch of github.

The screenshot shows the 'Source Code Management' tab selected. Under 'Branches to build', the 'Branch Specifier' field contains '/main'. Below it is an 'Add Branch' button. Further down are sections for 'Repository browser' (set to '(Auto)') and 'Additional Behaviours' (with an 'Add' button). At the bottom are 'Save' and 'Apply' buttons.

19. Select “Delete workspace before build starts”.

The screenshot shows the 'Build Triggers' tab of a Jenkins configuration page. Under the 'Build Environment' section, the checkbox 'Delete workspace before build starts' is checked. Below it are several other optional checkboxes: 'Use secret text(s) or file(s)', 'Add timestamps to the Console Output', 'Inspect build log for published Gradle build scans', 'Terminate a build if it's stuck', and 'With Ant'. At the bottom of the section are 'Save' and 'Apply' buttons.

20. Click on Apply and Save.

The screenshot shows the 'Build' tab of a Jenkins configuration page. It contains two entries under the 'Invoke top-level Maven targets' section. Both entries have 'MAVEN_HOME' selected in the 'Maven Version' dropdown and 'clean' in the 'Goals' input field. Each entry has an 'Advanced...' button. At the bottom of the tab are 'Save' and 'Apply' buttons.

The screenshot shows the 'Post-build Actions' configuration for the 'Git_Sample_Build' project. The 'Post-build Actions' tab is selected. There are two main sections: 'Archive the artifacts' and 'Build other projects'. In the 'Archive the artifacts' section, the 'Files to archive' field contains '**/*'. In the 'Build other projects' section, the 'Projects to build' field contains 'sample_test'. Underneath this, there are three radio button options for triggering the build: 'Trigger only if build is stable' (selected), 'Trigger even if the build is unstable', and 'Trigger even if the build fails'. At the bottom of the configuration area are 'Save' and 'Apply' buttons.

21. Now, we are executing another project with name: sample_test.

The screenshot shows the 'Enter an item name' screen in Jenkins. The input field contains 'sample_test'. Below the input field, there is a list of project types: 'Freestyle project', 'Maven project', 'Pipeline', 'Multi-configuration project', and 'Folder'. The 'Freestyle project' option is highlighted with a blue border. A tooltip for 'Freestyle project' states: 'This is the central feature of Jenkins. Jenkins will build your project, combining any SCM with any build system, and this can be even used for something other than software build.' The 'Pipeline' option is also highlighted with a blue border. A tooltip for 'Pipeline' states: 'Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.' At the bottom of the list, there is an 'OK' button and a 'Multibuild Pipeline' link.

22. We should follow same process as above.

The screenshot shows a software interface for managing a Continuous Integration/Continuous Deployment (CI/CD) pipeline. The top navigation bar includes links for Dashboard, sample_test, General, Source Code Management, Build Triggers, Build Environment, **Build**, and Post-build Actions. The **Build** tab is currently selected.

Build Tab Content:

- Copy artifacts from another project:**
 - Project name: Git_Sample_Build
 - Which build: Latest successful build
 - Stable build only
 - Artifacts to copy: **/*
 - Artifacts not to copy: (empty)
 - Target directory: (empty)
- Save** and **Apply** buttons.

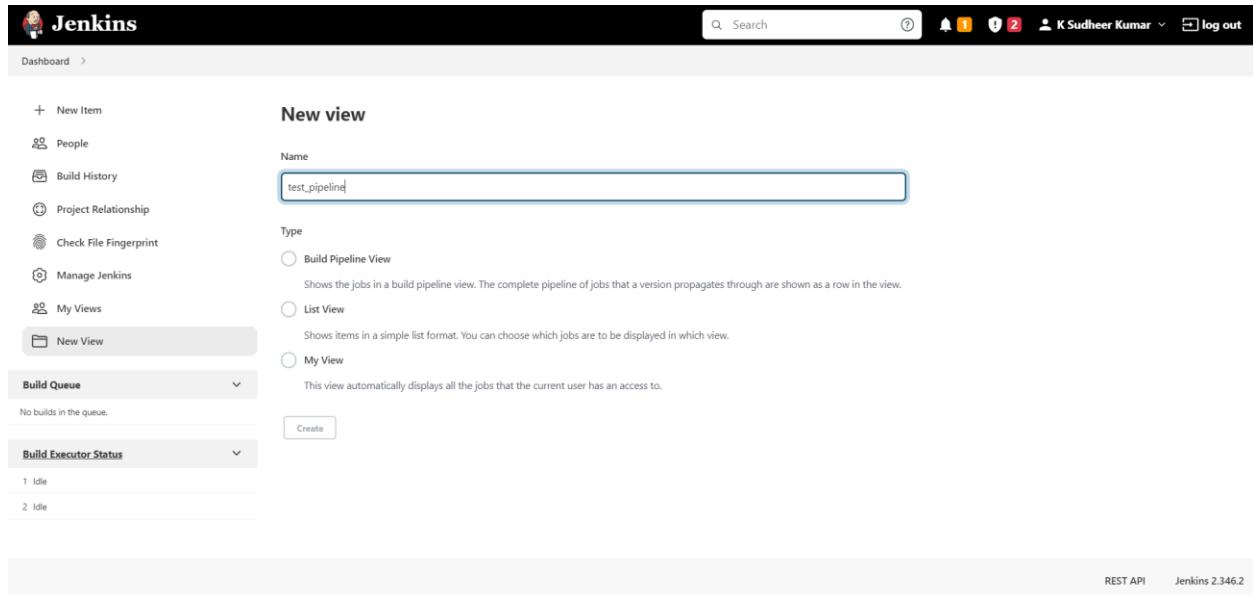
Build Tab Advanced Options:

- Advanced...** button.
- Invoke top-level Maven targets:**
 - Maven Version: MAVEN_HOME
 - Goals: test
- Advanced...** button.
- Add build step ▾** button.

Post-build Actions:

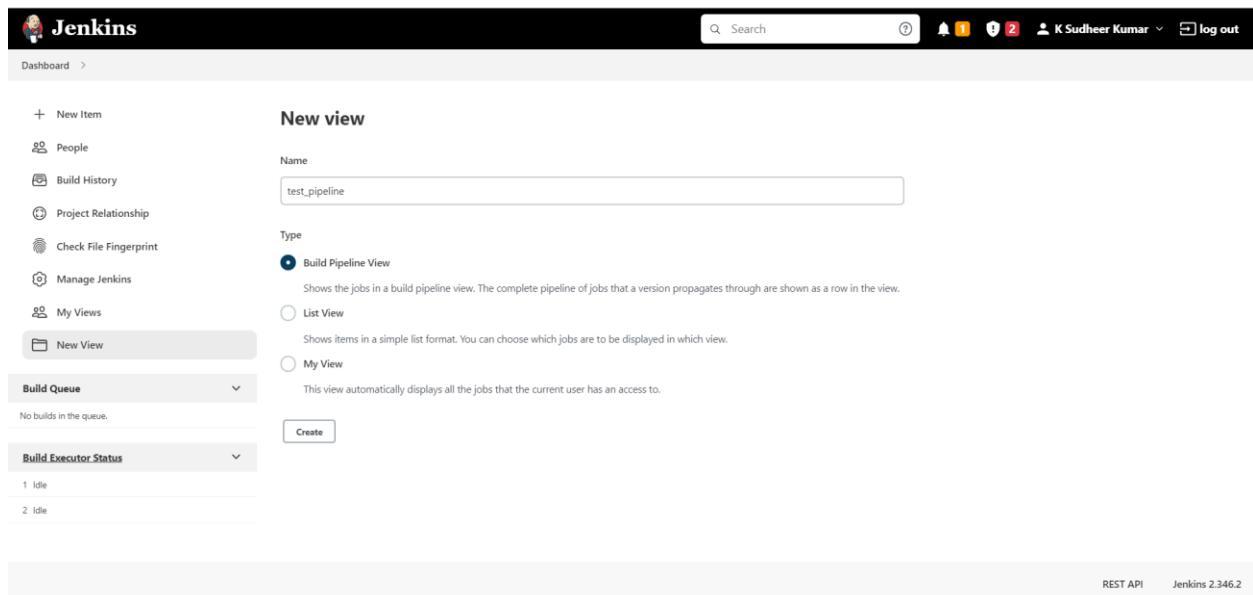
- Archive the artifacts:**
 - Files to archive: **.jar
- Save** and **Apply** buttons.

23. Now, creating pipeline. Specify any name.



The screenshot shows the Jenkins interface for creating a new view. The title bar says "Jenkins". The left sidebar has links like "New Item", "People", "Build History", etc. The main area is titled "New view". It has a "Name" field containing "test_pipeline". Under "Type", "Build Pipeline View" is selected. Below it, there's a description: "Shows the jobs in a build pipeline view. The complete pipeline of jobs that a version propagates through are shown as a row in the view." There are also "List View" and "My View" options. A "Create" button is at the bottom. The footer says "REST API" and "Jenkins 2.346.2".

24. Click on create.



This screenshot is identical to the previous one, but the "Create" button is now highlighted in blue, indicating it is the next step to be clicked.

25. Successfully installed Jenkins and created pipeline.

The screenshot shows the Jenkins Build Pipeline interface. At the top, there is a navigation bar with icons for search, help, notifications (1), and user K Sudheer Kumar, along with a log out button. Below the navigation bar, the page title is "Build Pipeline". A horizontal menu bar includes "Trigger a Pipeline", "Pipeline History", "Configure", "Add Step", "Delete", and "Manage".

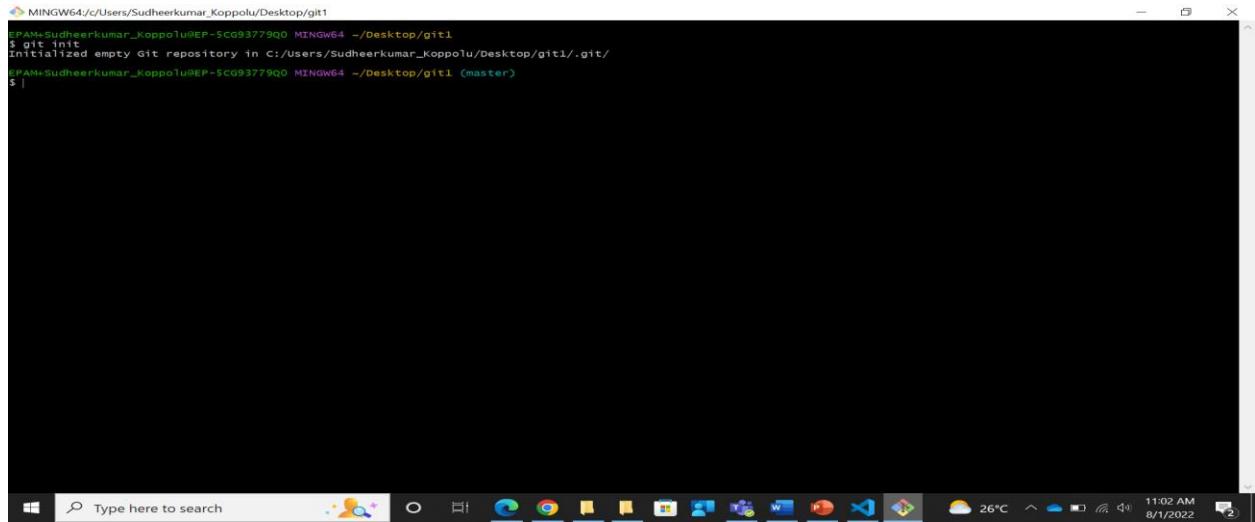
The main content area displays two pipeline items:

- #9 Git_Sample_Build**: Last run on Jul 28, 2022 12:47:19 PM, duration 1 min 51 sec, by sudeekumar. Buttons for "console" and "re-run" are visible.
- #1 sample_test**: Last run on Jul 28, 2022 12:49:18 PM, duration 11 sec. Buttons for "console" and "re-run" are visible.

On the left side, there is a sidebar labeled "Pipeline" with the number "#9". At the bottom right of the page, there are links for "REST API" and "Jenkins 2.346.2".

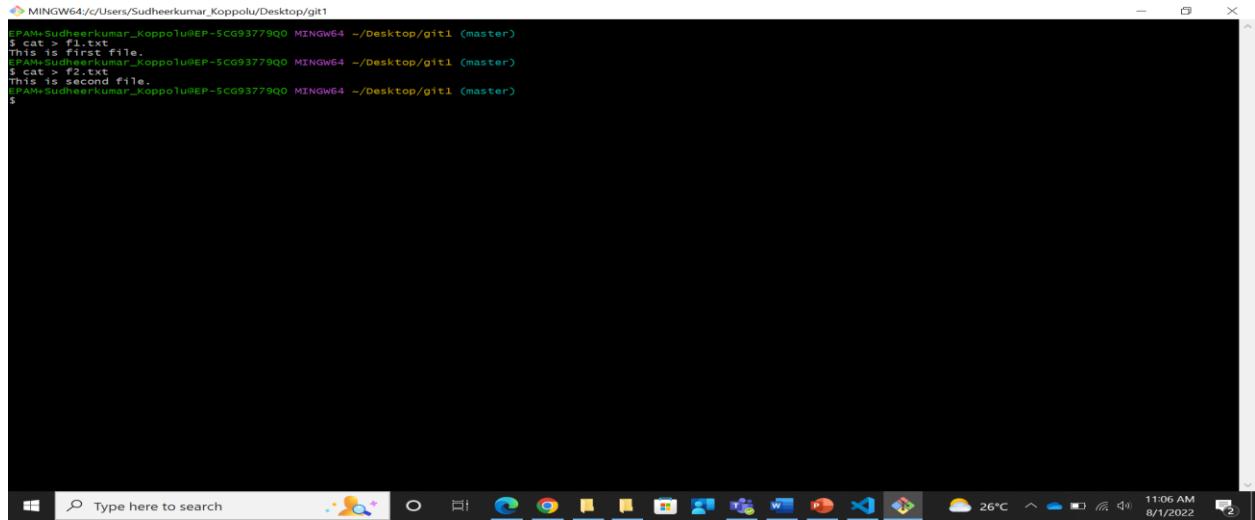
Git (Source Code Management)

1. Git initialization



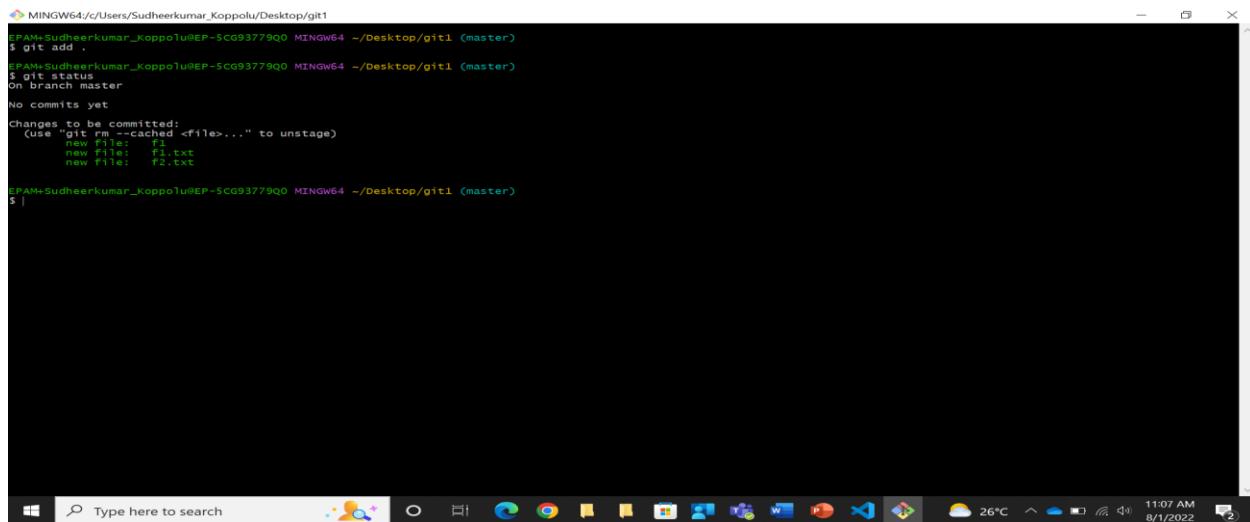
```
MINGW64:/c/Users/Sudheerkumar_Koppolu/Desktop/git1
$ git init
Initialized empty Git repository in C:/Users/Sudheerkumar_Koppolu/Desktop/git1/.git/
$ |
```

2. Creating files in that folder.



```
MINGW64:/c/Users/Sudheerkumar_Koppolu/Desktop/git1
$ cat > f1.txt
This is first file.
$ cat > f2.txt
This is second file.
$ |
```

3. Git status

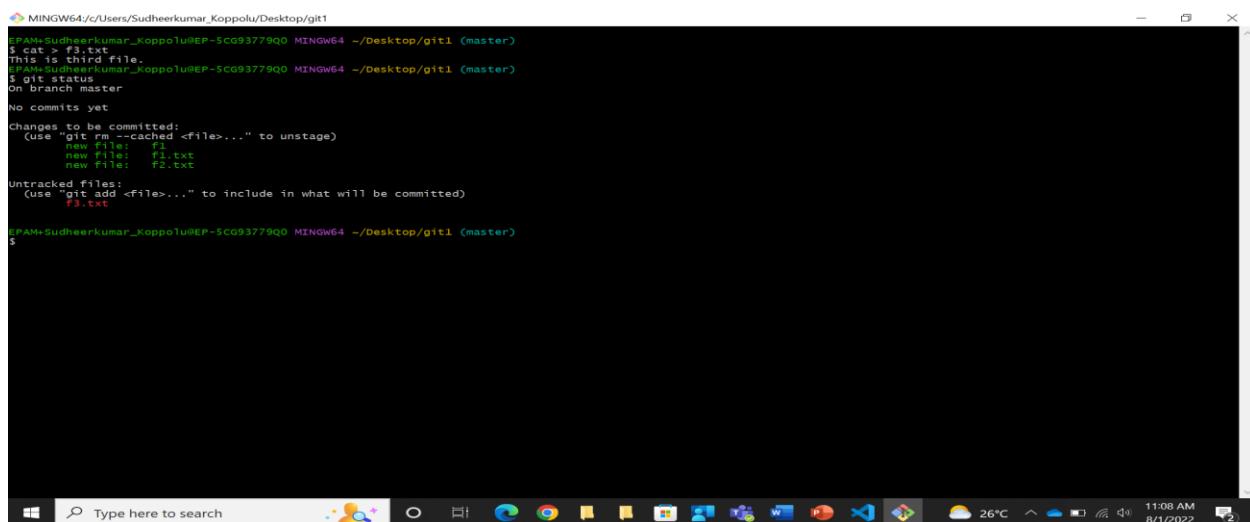


```
MINGW64:/c/Users/Sudheerkumar_Koppolu/Desktop/git1
$ cat > f1.txt
$ git add .
$ git status
On branch master
No commits yet
Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:  f1.txt
    new file:  f2.txt

$ git status
On branch master
No commits yet
Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:  f1.txt
    new file:  f2.txt

$
```

4. Executing git status after creating one more file in that folder.

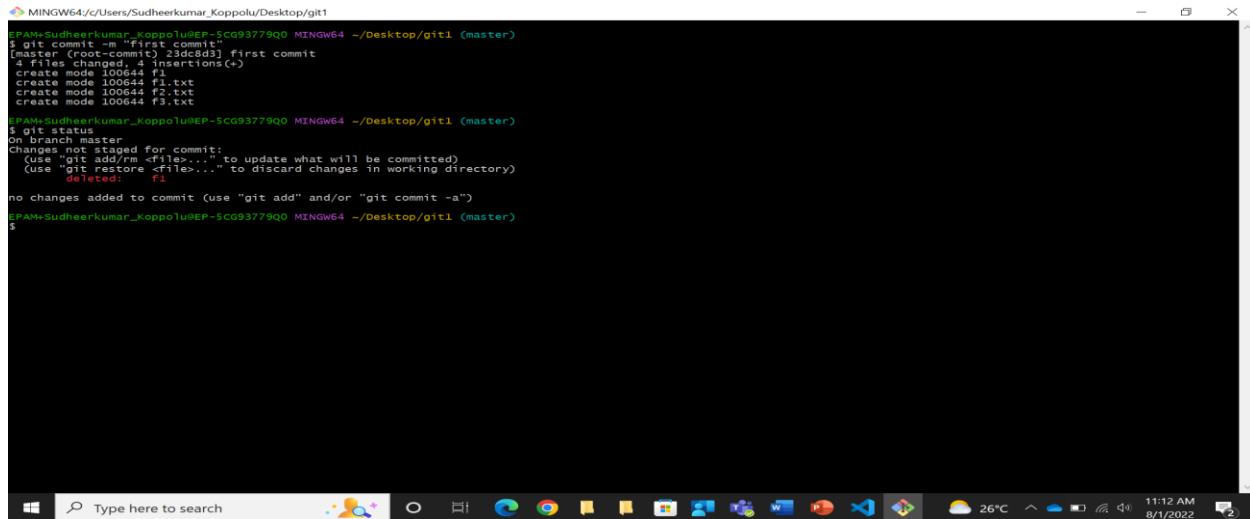


```
MINGW64:/c/Users/Sudheerkumar_Koppolu/Desktop/git1
$ cat > f3.txt
$ git add .
$ git status
On branch master
No commits yet
Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:  f1.txt
    new file:  f2.txt
    new file:  f3.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    f3.txt

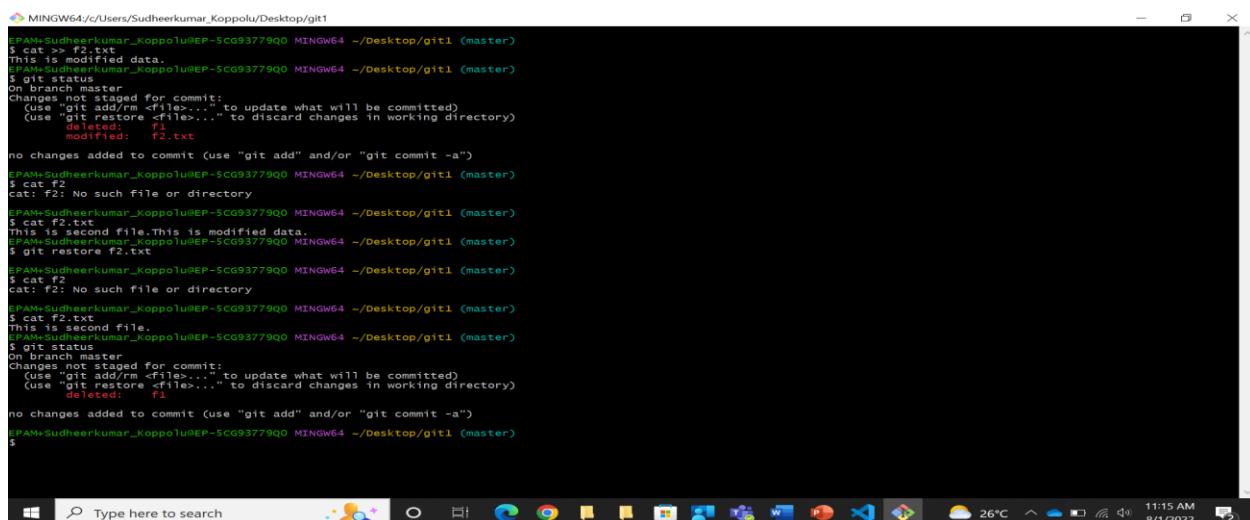
$ git status
On branch master
No commits yet
Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:  f1.txt
    new file:  f2.txt
    new file:  f3.txt

$
```



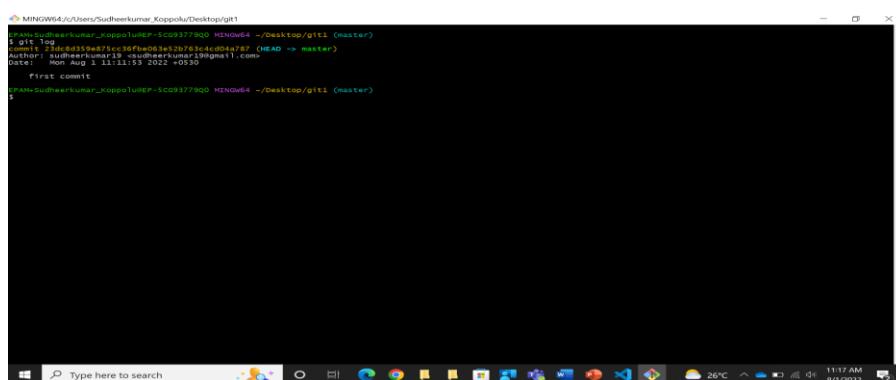
```
MINGW64:/c/Users/Sudheerkumar_Koppolu/Desktop/git1
$ git commit -m "First commit"
[master (root-commit) 23dc8d3] first commit
 1 files changed, 3 insertions(+)
 create mode 100644 f1
$ git status
On branch master
Changes not staged for commit:
  (use "git add <file>" to update what will be committed)
    (use "git add/-rm <file>..." to add/rename a file)
    (use "git restore <file>..." to discard changes in working directory)
      deleted:   f1
no changes added to commit (use "git add" and/or "git commit -a")
$
```

5. Modifying some content in the file.



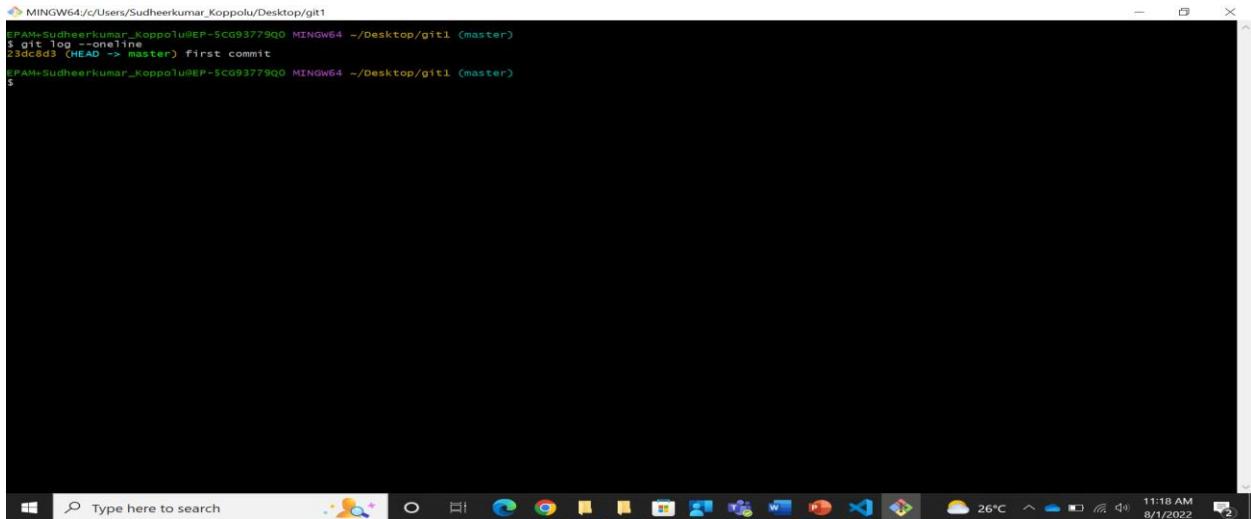
```
MINGW64:/c/Users/Sudheerkumar_Koppolu/Desktop/git1
$ cat >> f2.txt
This is second data.
$ git status
On branch master
Changes not staged for commit:
  (use "git add/rm <file>" to update what will be committed)
    (use "git add/-rm <file>..." to add/rename a file)
      deleted:   f1
      modified:  f2.txt
no changes added to commit (use "git add" and/or "git commit -a")
$ cat f2
cat: f2: No such file or directory
$ cat f2.txt
This is second file.This is modified data.
$ git restore f2.txt
$ cat f2
cat: f2: No such file or directory
$ cat >> f2.txt
This is second file.
$ git status
On branch master
Changes not staged for commit:
  (use "git add/rm <file>" to update what will be committed)
    (use "git add/-rm <file>..." to add/rename a file)
      deleted:   f1
no changes added to commit (use "git add" and/or "git commit -a")
$
```

6. Git commit



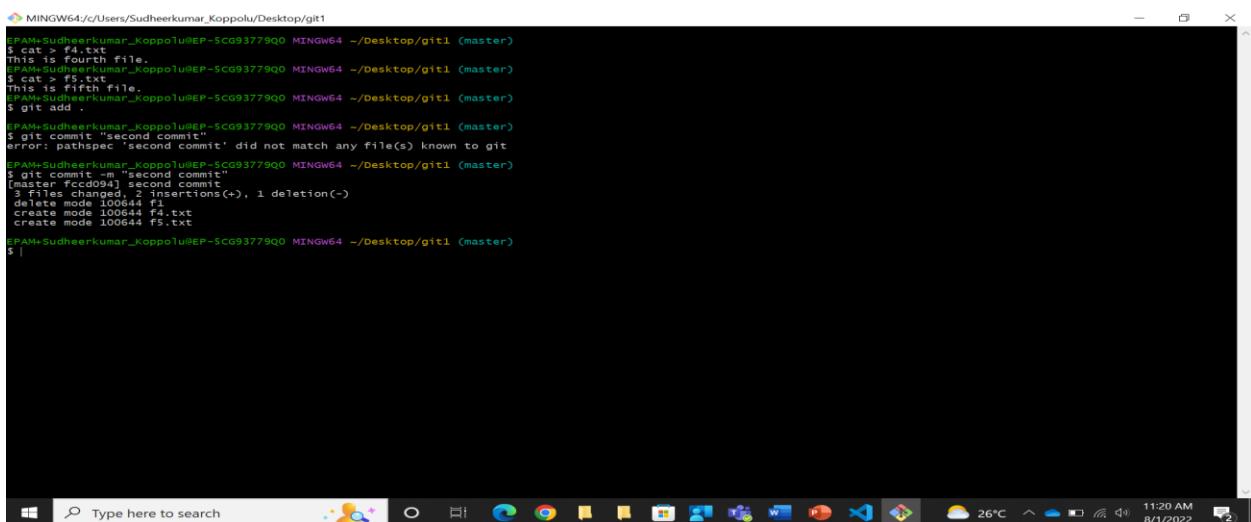
```
MINGW64:/c/Users/Sudheerkumar_Koppolu/Desktop/git1
$ git commit -m "Second commit"
[master 23dc8d3] Second commit
 1 files changed, 1 insertion(+)
 create mode 100644 f2
$
```

7. See the log file by executing: git log --oneline



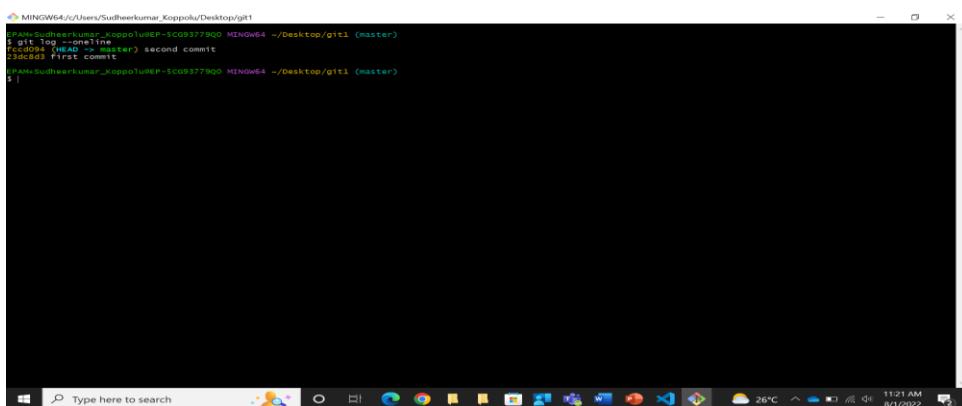
```
MINGW64:/c/Users/Sudheerkumar_Koppolu/Desktop/git1
$ git log --oneline
23dc8d3 (HEAD -> master) first commit
$
```

8. Commit second time.



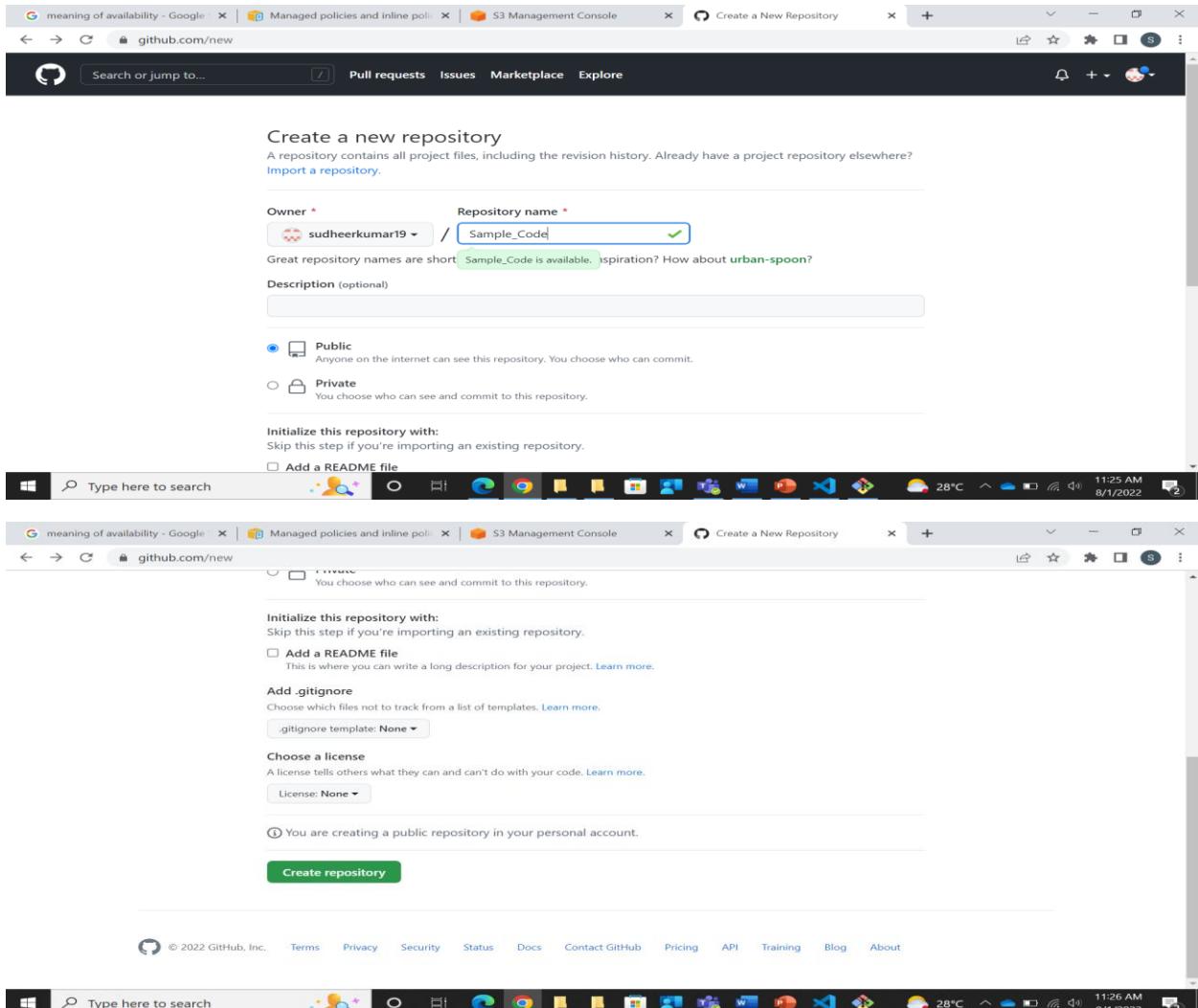
```
MINGW64:/c/Users/Sudheerkumar_Koppolu/Desktop/git1
$ cat > f4.txt
This is a test file.
$ cat > f5.txt
This is another file.
$ git add .
$ git commit "second commit"
error: pathspec 'second commit' did not match any file(s) known to git
$ git commit "second commit"
[master fcccd94] second commit
 3 files changed, 2 insertions(+), 1 deletion(-)
 delete mode 100644 f4.txt
 create mode 100644 f4.txt
 create mode 100644 f5.txt
$ |
```

9. Git log --oneline



```
MINGW64:/c/Users/Sudheerkumar_Koppolu/Desktop/git1
$ git log --oneline
23dc8d3 (master) second commit
$
```

10. Login github and create a new repository.



11. In the cli execute add command to push into the github. (specify github newly created url).

```
MINGW64:/c/Users/Sudheerkumar.Koppolu/Desktop/git
[PRAS-Sudheerkumar-Koppolu:~/Desktop/git] (master)
$ git remote add origin https://github.com/sudheerkumar19/Sample_code.git
```

12. Push command execution.

```
MINGW64:/c/Users/Sudheerkumar_Koppolu/Desktop/git1
$ MINGW64:/c/Users/Sudheerkumar_Koppolu/Desktop/git1 (master)
$ git remote add origin https://github.com/sudheerkumar19/Sample_Code.git
$ MINGW64:/c/Users/Sudheerkumar_Koppolu/Desktop/git1 (master)
$ git push -u origin master

MINGW64:/c/Users/Sudheerkumar_Koppolu/Desktop/git1
$ MINGW64:/c/Users/Sudheerkumar_Koppolu/Desktop/git1 (master)
$ git remote add origin https://github.com/sudheerkumar19/Sample_Code.git
$ MINGW64:/c/Users/Sudheerkumar_Koppolu/Desktop/git1 (master)
$ git push -u origin master
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 4 threads.
Compressing objects: 100% (9/9), done.
Writing objects: 100% (9/9), 621 bytes | 207.00 KiB/s, done.
Total 9 (delta 1), reused 0 (delta 0), pack-reused 0
To https://github.com/sudheerkumar19/Sample_Code.git
 * [new branch]      master -> master
branch 'master' set up to track 'origin/master'.
$ MINGW64:/c/Users/Sudheerkumar_Koppolu/Desktop/git1 (master)
```

13. Then our files uploaded (pushed) to the github repository.

The screenshot shows a GitHub repository page for 'sudheerkumar19/Sample_Code'. The repository is public and contains 1 branch and 0 tags. The commit history shows five commits from 'sudheerkumar19' with timestamps ranging from 9 minutes ago to 18 minutes ago. A message at the bottom encourages adding a README.

File	Commit Message	Time Ago
f1.txt	first commit	18 minutes ago
f2.txt	first commit	18 minutes ago
f3.txt	first commit	18 minutes ago
f4.txt	second commit	9 minutes ago
f5.txt	second commit	9 minutes ago

Help people interested in this repository understand your project by adding a README. [Add a README](#)

About
No description, website, or topics provided.
0 stars
1 watching
0 forks

Releases
No releases published
Create a new release

Packages
No packages published
Publish your first package