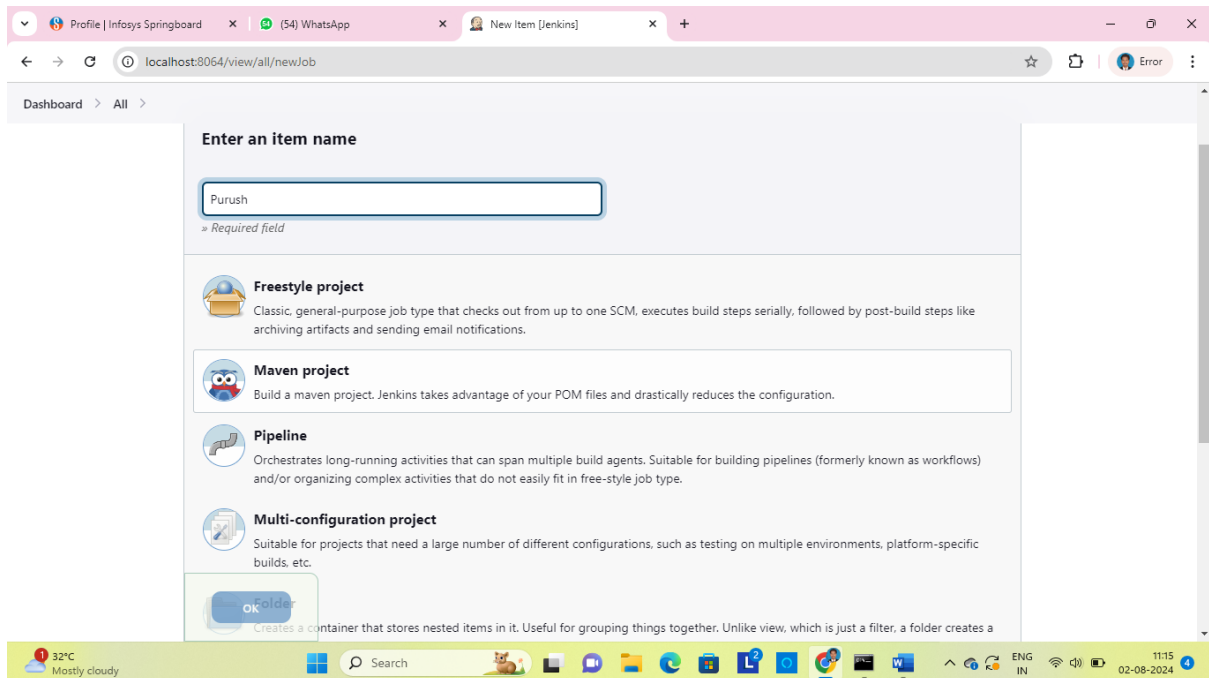
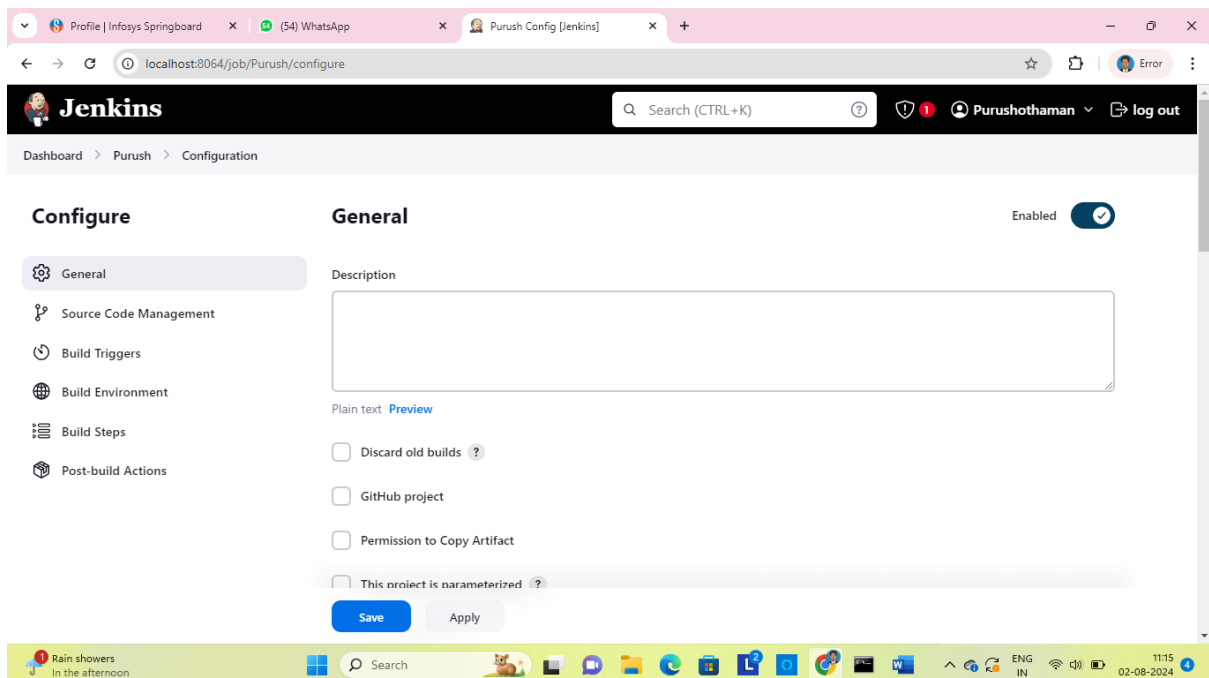


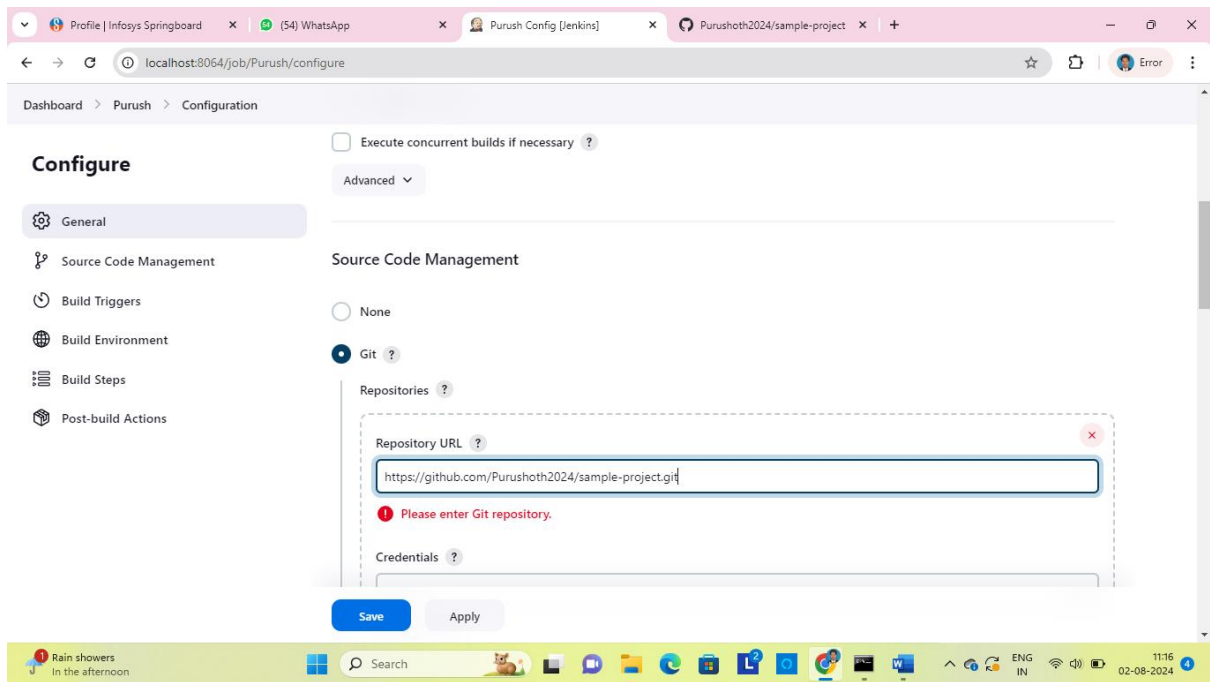
**Exercise 9. Creating Central CI pipeline**



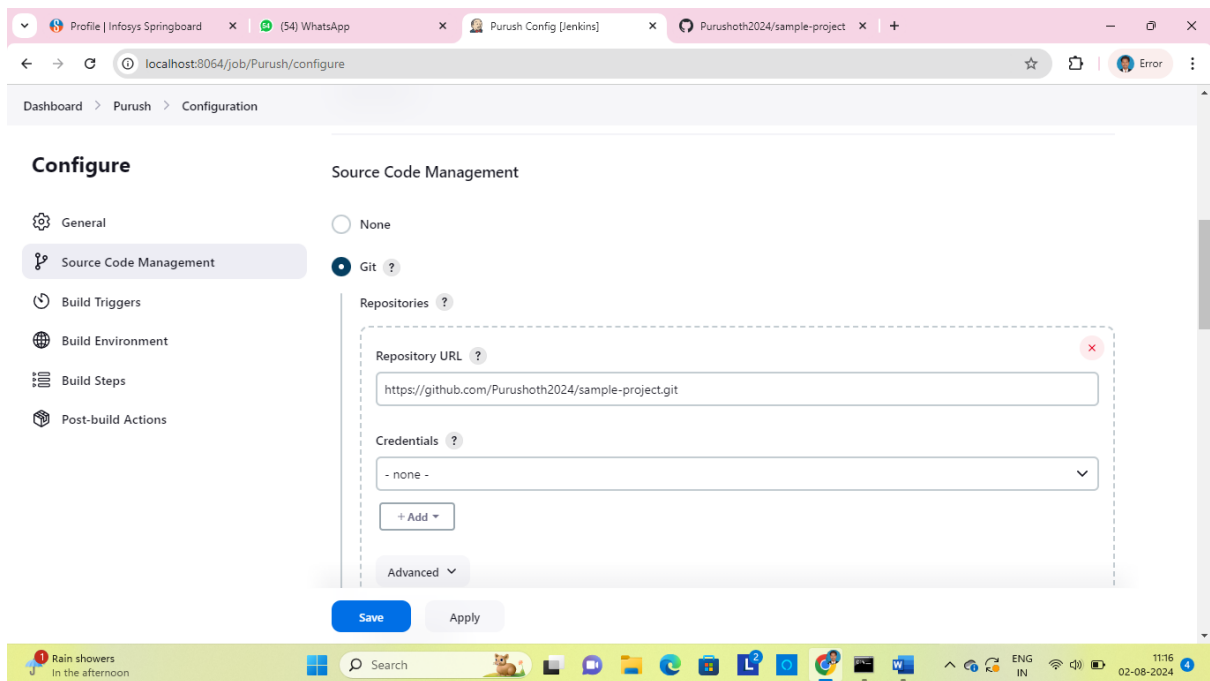
The screenshot shows the Jenkins 'New Item' page in a web browser. The browser's address bar displays 'localhost:8064/view/all/newJob'. The page has a sidebar with 'Dashboard' and 'All' links. The main content area is titled 'Enter an item name' and features a text input field containing 'Purush'. Below the input field, a note indicates it is a 'Required field'. A list of project types is shown: 'Freestyle project' (Classic, general-purpose job type), 'Maven project' (Build a maven project), 'Pipeline' (Orchestrates long-running activities), and 'Multi-configuration project' (Suitable for projects that need a large number of different configurations). At the bottom of the list, a 'Folder' option is partially visible, described as 'Creates a container that stores nested items in it. Useful for grouping things together. Unlike view, which is just a filter, a folder creates a...'. The browser's taskbar at the bottom shows the system clock as 11:15 on 02-08-2024 and the temperature as 32°C.



The screenshot shows the Jenkins 'Configure' page for the 'Purush' job. The browser's address bar displays 'localhost:8064/job/Purush/configure'. The page has a sidebar with 'Dashboard', 'Purush', and 'Configuration' links. The main content area is titled 'Configure' and has a 'General' tab selected. The 'General' tab is marked as 'Enabled' with a toggle switch. The 'Description' field is empty. Below it, the 'Plain text' section is visible with a 'Preview' link. A list of checkboxes is shown: 'Discard old builds', 'GitHub project', 'Permission to Copy Artifact', and 'This project is parameterized'. At the bottom, there are 'Save' and 'Apply' buttons. The browser's taskbar at the bottom shows the system clock as 11:15 on 02-08-2024 and the weather as 'Rain showers in the afternoon'.



Paste GitHub URL and click outside.



Profile | Infosys Springboard

(55) WhatsApp

Manage Jenkins [Jenkins]

Purushoth2024/sample-project

localhost:8064/manage/

Search (CTRL+K)

Purushothaman

log out

Dashboard > Manage Jenkins

New Item

Build History

Manage Jenkins

My Views

Build Queue

Build Executor Status

Manage Jenkins

Search settings

Building on the built-in node can be a security issue. You should set up distributed builds. See [the documentation](#).

Set up agent

Set up cloud

Dismiss

System Configuration

System

Tools

Plugins

Nodes

Clouds

Appearance

localhost:8064/manage

32°C Mostly cloudy

Search

Tools [Jenkins]

Purushoth2024/sample-project

localhost:8064/manage/configureTools/

Search (CTRL+K)

Purushothaman

log out

Dashboard > Manage Jenkins > Tools

Tools

Maven Configuration

JDK installations

Default settings provider

Default global settings provider

Add JDK

Save

Apply

localhost:8064/manage

32°C Mostly cloudy

Search

Tools [Jenkins]

Purushoth2024/sample-project

localhost:8064/manage/configureTools/

Search (CTRL+K)

Purushothaman

log out

Profile | Infosys Springboard x (55) WhatsApp x Tools [Jenkins] x Purushoth2024/sample-project x +

localhost:8064/manage/configureTools/

Dashboard > Manage Jenkins > Tools

### JDK installations

Add JDK

**JDK**

Name

JAVA\_HOME

JAVA\_HOME

C:\Program Files\Java\jdk-17

☐ Install automatically ?

Add JDK

Save Apply

32°C Mostly cloudy 11:25 02-08-2024

Profile | Infosys Springboard x (55) WhatsApp x Tools [Jenkins] x Purushoth2024/sample-project x +

localhost:8064/manage/configureTools/

Dashboard > Manage Jenkins > Tools

### Gradle installations

Add Gradle

### Ant installations

Add Ant

### Maven installations

Add Maven

Save Apply

Jenkins 2.452.3

32°C Mostly cloudy 11:26 02-08-2024

Profile | Infosys Springboard | (55) WhatsApp | Tools [Jenkins] | Purushoth2024/sample-project | +

localhost:8064/manage/configureTools/

Dashboard > Manage Jenkins > Tools

Add Maven

**Maven**

Name

mvn

MAVEN\_HOME

C:\Program Files\MAVEN\apache-maven-3.9.8

☐ Install automatically ?

Add Maven

Save Apply

Jenkins 2.452.3

32°C Mostly cloudy

Search

ENG IN

11:26 02-08-2024

Profile | Infosys Springboard | WhatsApp | Purush Config [Jenkins] | Purushoth2024/sample-project | +

localhost:8064/me/my-views/view/all/job/Purush/configure

Dashboard > Purushothaman > My Views > All > Purush > Configuration

### Configure

- General
- Source Code Management
- Build Triggers
- Build Environment
- Build Steps**
- Post-build Actions

☐ Maven3-Artifactory Integration

☐ Terminate a build if it's stuck

☐ With Ant ?

### Build Steps

**Invoke top-level Maven targets ?**

Maven Version

(Default)

Goals

Advanced

Save Apply

32°C Mostly cloudy

Search

ENG IN

11:35 02-08-2024

Profile | Infosys Springboard

(55) WhatsApp

Purush [Jenkins]

Purushoth2024/sample-project

+

localhost:8064/job/Purush/

Dashboard > Purush >

Workspace

Build Now

Configure

Delete Project

Rename

Build History

trend

Filter...

#2

Aug 2, 2024, 11:38 AM

#1

Aug 2, 2024, 11:36 AM

Atom feed for all

Atom feed for failures

Permalinks

Last build (#2), 2 min 21 sec ago

Last stable build (#2), 2 min 21 sec ago

Last successful build (#2), 2 min 21 sec ago

Last failed build (#1), 4 min 9 sec ago

Last unsuccessful build (#1), 4 min 9 sec ago

Last completed build (#2), 2 min 21 sec ago

Add description

Disable Project

REST API

Jenkins 2.452.3

33°C

Mostly cloudy

Search

ENG IN

11:40

02-08-2024

Profile | Infosys Springboard

WhatsApp

Purush Config [Jenkins]

Purushoth2024/sample-project

+

localhost:8064/me/my-views/view/all/job/Purush/configure

Dashboard > Purushothaman > My Views > All > Purush > Configuration

Configure

General

Source Code Management

Build Triggers

Build Environment

Build Steps

Post-build Actions

Maven3-Artifactory Integration

Terminate a build if it's stuck

With Ant

Build Steps

Invoke top-level Maven targets

Maven Version

mvn

Goals

clean install

Advanced

Save

Apply

32°C

Mostly cloudy

Search

ENG IN

11:35

02-08-2024

Profile | Infosys Springboard x WhatsApp x Purush [Jenkins] x Purush2024/sample-project x +

localhost:8064/me/my-views/view/all/job/Purush/

Jenkins

Search (CTRL+K)

Purushothaman log out

Dashboard > Purushothaman > My Views > All > Purush >

Status

Changes

Workspace

Build Now

Configure

Delete Project

Rename

Purush

Add description

Disable Project

Permalinks

Build History trend

No builds

localhost:8064/me/my-views/view/all/job/Purush/build?delay=0sec

32°C Mostly cloudy

Search

ENG IN

11:36 02-08-2024

Profile | Infosys Springboard x WhatsApp x Purush [Jenkins] x Purush2024/sample-project x +

localhost:8064/me/my-views/view/all/job/Purush/

Jenkins

Search (CTRL+K)

Purushothaman log out

Dashboard > Purushothaman > My Views > All > Purush >

Status

Changes

Workspace

Build Now

Configure

Delete Project

Rename

Purush

Add description

Disable Project

Permalinks

Build History trend

In progress > Console Output

Aug 2, 2024, 11:36 AM

Atom feed for all Atom feed for failures

localhost:8064/me/my-views/view/all/job/Purush/1/console

REST API Jenkins 2.452.3

32°C Mostly cloudy

Search

ENG IN

11:36 02-08-2024

Profile | Infosys Springboard

(55) WhatsApp

Purush #2 [Jenkins]

Purushoth2024/sample-project

+

localhost:8064/job/Purush/2/

☆

🔖

Error

⋮

Dashboard > Purush > #2

Status

</> Changes

📄 Console Output

📄 Edit Build Information

🗑 Delete build '#2'

🕒 Timings

🔗 Git Build Data

← Previous Build

✅ #2 (Aug 2, 2024, 11:38:11 AM)

Keep this build forever

🖋 Add description

Started 3 min 29 sec ago  
Took **1 min 49 sec**

</> No changes.

🕒 Started by user **Purushothaman**

🕒 This run spent:

- 48 ms waiting;
- 1 min 49 sec build duration;
- 1 min 49 sec total from scheduled to completion.

🔗 git

Revision: **95dd9b48568a40f54c9e9b90e2fb4a534ffb6b5f**

Repository: **<https://github.com/Purushoth2024/sample-project.git>**

- refs/remotes/origin/master

REST API Jenkins 2.452.3