

P³
Devops
Lab - 1

Java

Go to google → oracle java
JDK 17 - windows →
x64 installer

- Next, Next, close

Set path

C-Drive

program files

→ java

→ jdk17 copy path

Environment Variables

→ System variables → path → paste

Command prompt

java --version

IntelliJ IDEA

Community

download

→ next → next → Desktop Shortcut

update path

update context menu

→ next

→ jetbrains

→ install → Reboot now → finish

Do not import settings → ok

→ new project → next → next → project name

Program -2

new project → java → maven → Create

change ~~com.example~~ to org.example and
if below java com is present delete it.

- below properties add dependencies → then go to mvn repository and search testNG → 7.11.0 copy the dependency code & paste it below that Selenium java → 4.30.0 and copy the dependency code & paste it below dependencies inside,

then sync & left side maven will be present

- org.example → new → java class → LoginTest
cut the package below code & paste the code then sync it & run then it will open in a chrome

- copy the index, logo, style code & paste in resources and rename it

- Open pom.xml below dependencies paste the build code sync it and then open terminal and type → mvn clean install then docs will be created
open the project in git bash

Open git hub

repositories

→ Create new

→ public → readme

git bash

→ git init it should be in master

→ git add .

→ git status

→ git commit -m "working with maven"

→ git remote add origin paste the url

→ git push -u origin master

Settings → pages → master → docs → save

visit site

pom.xml

plugins

test java → new → java → package

↓
org.test

new → java class → WebpageTest

paste the code and in driver, get paste the chrome page link in that & sync it

In terminal

- mvn clean install

copy the plugin code and paste in below
plugin & sync

in terminal - mvn clean package

- java -jar target/pro-tap

copy the deploy site code

after plugin paste it & sync

in terminal - mvn site

open mvn site and index.html visit the
browser

Program-6

command prompt

> d:

> cd jenkins

> java -jar jenkins.war

copy the 24 charac

open chrome localhost:8080

Username & password

New item → enter name → jenkins
freestyle project OK

General → description

→ Executing gradle program using jenkins

Select git

Credentials of git
URL

Build steps

→ Execute windows batch command
gradle test → save

build now → select that ~~cancel~~

Console output

Program-h

New project

→ Maven archetype → name → Mvngradle

Archetype → quickstart

Advanced settings

Com. example → create

It will create dependencies

Open the code copy the build code and paste below dependencies

in terminal → mvn package we can see in target

- > java -jar target / Mvn tab
- > gradle init -type pom
 - 2
 - no

~~Go to code~~

Open build gradle on left side

copy the build gradle code and paste it in build gradle & clear the old code

terminal - gradle clean build

in build we get libs on left side

in terminal → java -jar build / libs / Mvn

Program - 3

It will create dependencies

Open the code copy the build code and paste below dependencies

in terminal → mvn package we can see in target

→ java -jar target / Mvn tab
→ gradle init -type pom

Go to code

- 2

Open build gradle on left side

copy the build gradle code and paste it in build gradle & clear the old code

terminal - gradle clean build

in build we get libs on left side

in terminal → java -jar build / libs / Mvn

Program - 3

New project

name → gradle

→ gradle

→ groovy



com.example
gradle

Set SDK

Version 24

Copy the code in build OpenSDK - Download
the old code 4 Sync gradle + delete
gradle proj - new - directory → docs
copy the 3 files and paste in docs

+ rename the logo

+ Open the

bash

Create project in explorer
copy the new info in github

> git init

> git status

> git add .

> git status

> git commit -m "working with gradle"

> git remote add origin your

> git push -u origin master

git push -u origin master (it should in master branch only)

if its not in master then create by using the checkout command

Then check in github.

Pages → does visit side

If its not deploy go to actions in github and check

Go to settings

Then we need to test copy the code

src in test - java - create package - org.test

then package - jaradlls - webpageTest paste in

org-test → in the code

driver.get copy the code or url & paste it and then sync.

go to terminal → gradle test

Then we need to create jar file copy the code and paste the code in plugins (delete the old plugin & paste the new one)

then in terminal → gradle jar

build → libraries → gradle jar

Main.java

Terminal java -jar build / libs / Gra (press tab)

press enter then it will be executed.

Edited of above this "mistake" in terminal

Program-5

Google → Jenkins
Download and download
Generic Java Package → Download Jenkins 2.19.3 LTS
15-4-25
D Drive → paste in folder Jenkins
Open Command prompt → The drive D:
→ cd Jenkins
Open the chrome → java -jar jenkins.war
localhost:8080
Paste the copied character in administrator password →
Continue → Install suggested plugins
Getting started → Create first admin user
Save and continue
Save and configuration → URL → save and finish

Instance configuration → save
Start using Jenkins → save
Jenkins port → 8080
Jenkins name (Jenkins)