ASSIGNMENT 3

Aim: Understand Jenkins and install on Computer locally

Objectives:

1.Understand Jenkins Tool

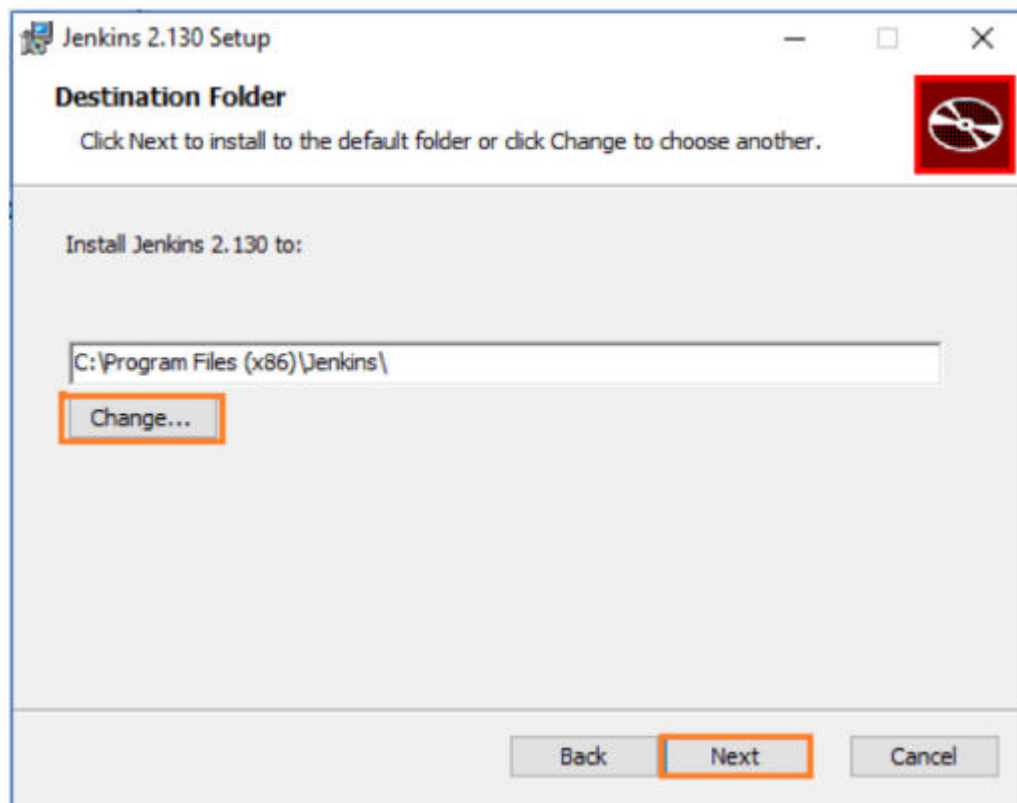2.Understand continuous Integration

Theory:

Jenkins is an open source automation server. With Jenkins, organizations can accelerate the software development process by automating it. Jenkins manages and controls software delivery processes throughout the entire lifecycle, including build, document, test, package, stage, deployment, static code analysis and much more. You can set up Jenkins to watch for any code changes in places like GitHub, Bitbucket or GitLab and automatically do a build a with tools like Maven and Gradle. You can utilize container technology such as Docker and Kubernetes, initiate tests and then take actions like rolling back or rolling forward in production.
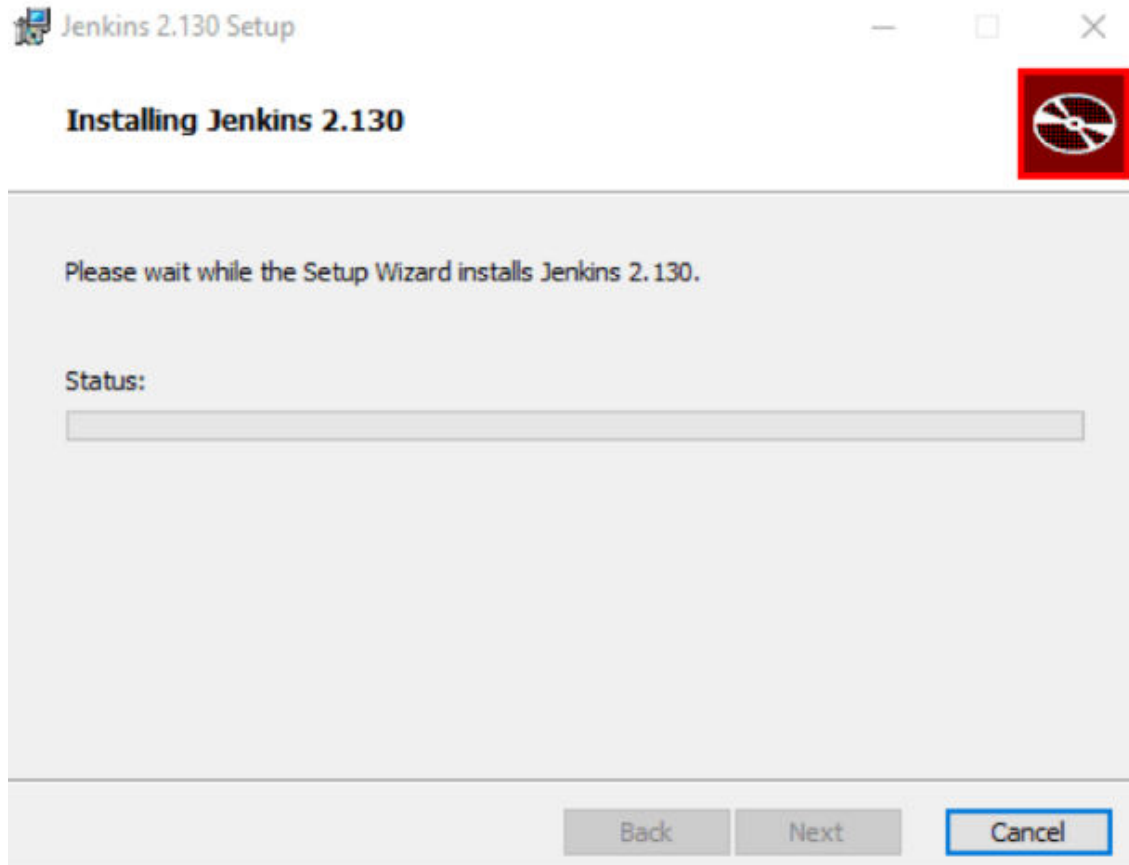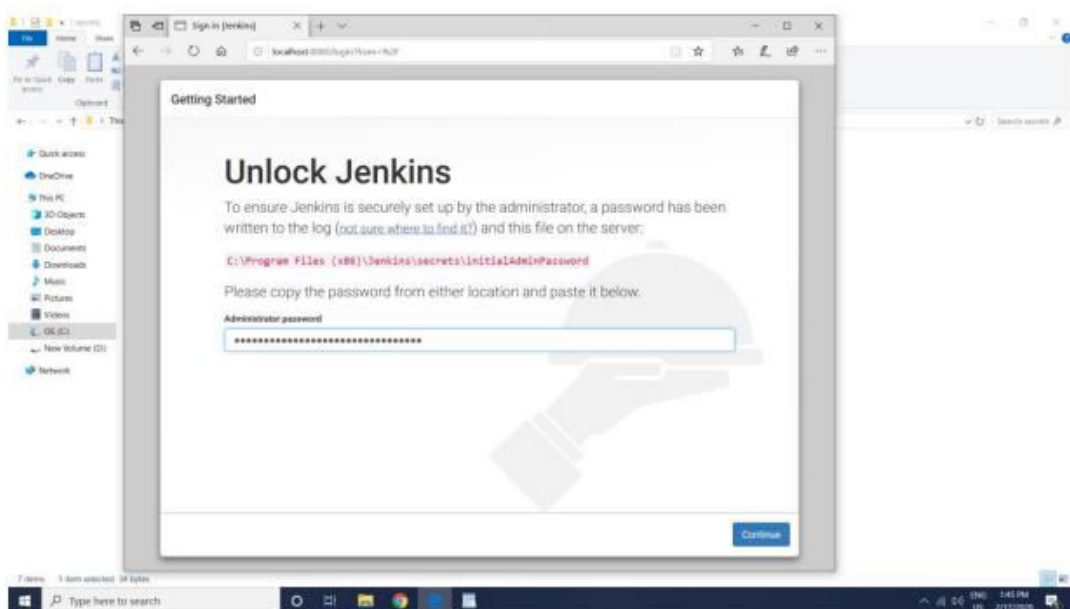
Steps:-

1) Install Jenkins

2) select folder to install jenkins in :
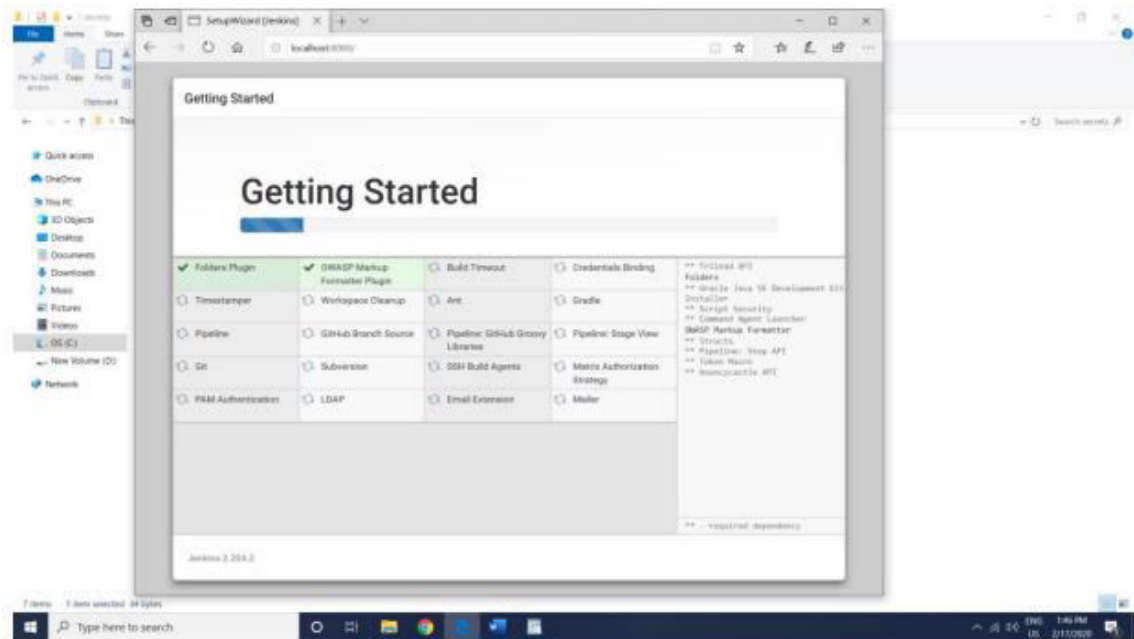
3) Wait while Jenkins is getting installed.

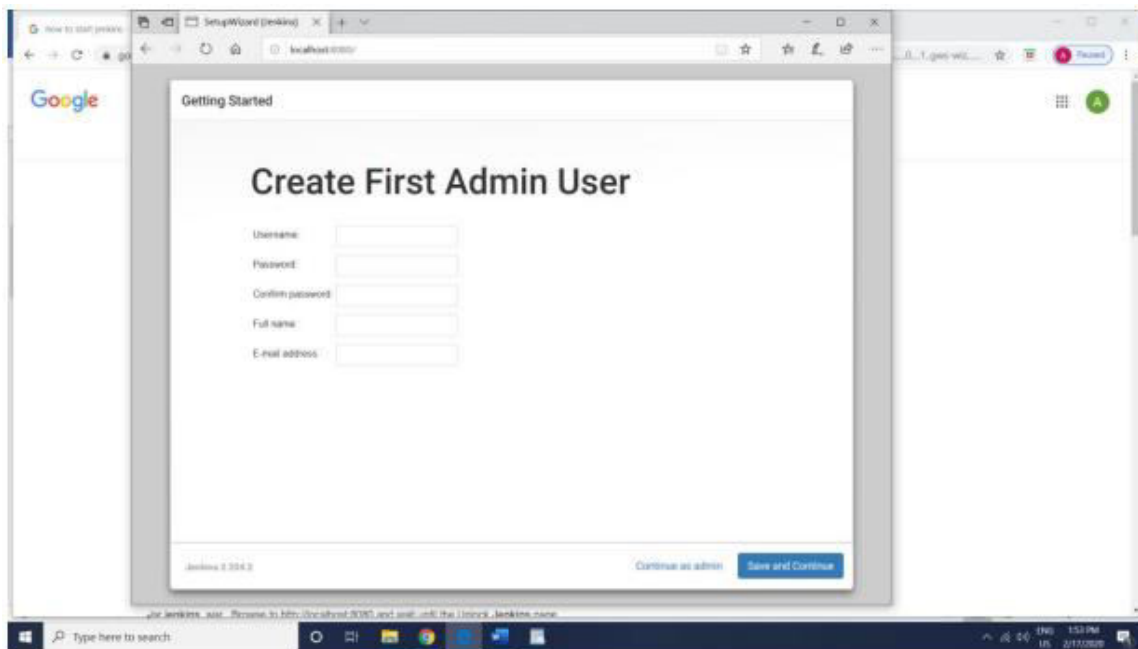4) Open the local port at which jenkins is intalled using localhost:8080

Enter the initial password which is present
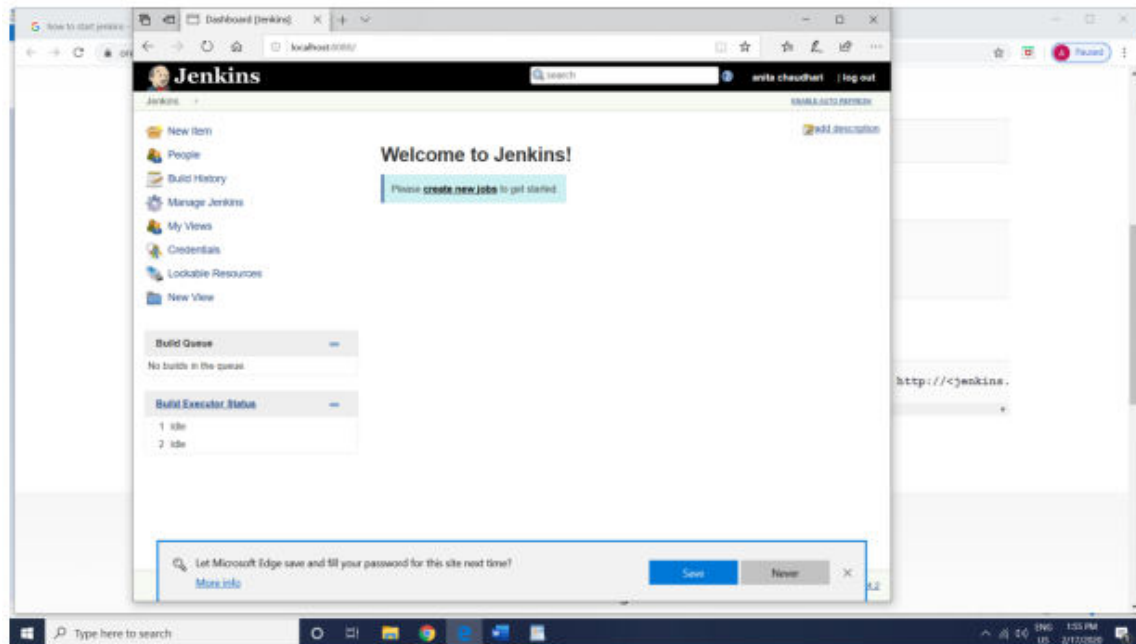C:\ProgramFiles(x86)\Jenkins\secrets\initialAdminPassword

5) Install the necessary plugins and wait for them to download.

6) Create a new user and enter your login credentials.

7) After creating the instance log into your account and you can now start writing simple java programs without any IDE.

CONCLUSION : In this experiment we had understood Jenkins tool and installation of it.