Jenkins is the continous integration tool.

This is the most important tool in the software industry - be it for developers or testers.

It is primary created for automation.

Importance of Jenkins:

If we have 500 test cases to execute @ once, it can be used using Maven command & TestNG xml file-- but this all manual job.

If we need to run 1000 test cases and want the results @ 9 am - will not execute Maven command @ 2 am. Here Jenkins can execute with the help of 'job'

Once we create job it will execute automatically and @ that particular time.

How to install Jenkins:

In Google search

- Jenkins download

- Generic Java Package(.war)

- Go to command prompt

- Go to the path were the jenkins exe file is located Ex: C:\Program Files>

- Navigate to that C:/ path and give the below command

- C:\Program Files>java -jar jenkins.war -http=8080

Webroot: $user.home/.jenkins

\* In order to login into Jenkins \*

URL: localhost://8080

Ctrl+C -- to stop jenkins at command prompt

Use: http://localhost:8080

Sometime if there is any instance running on 8080 then we will get an error

8080 is already running in a bind error.

To provide solution: kindly use http 9090 - if there is any instance running on 8080

- Jenkins will be using combination of Java & Maven configuration.

CI Tool means Continuous Integration Tool

Maven project will help to support Jenkins.

It will integrate all the maven commands to help Jenkins.

\* In order to login into Jenkins \*

URL: localhost://8080

Username: admin

Web Browser path: localhost:8080

Go to web browser --> localhost:8080

Open --> Notepad ---> SaveAs ---> Filename.bat // which will convert it to batch file

call mvn test -f C:\Users\Ehtesham\TestNGFramework\MavenProject\pom.xml