Jenkins Explained

* Download and install Jenkins from Jenkins download select Generic.java.package and download it
* In the command prompt type java -jar and provide the location of the war file or just drag and drop the file that is downloaded
* If we want to open Jenkins in different portal provided -httpPort=9090 ,9090 is a port id we can also give 8080

Ex: -java -jar C:\Users\nikhi\Downloads\jenkins.war -httpPort=9090

* To Create a new project, go to new item enter your name and select the free style project
* select the none and go to advance option and select use custom workspace and provide the path of project
* Then go to build and select the invoke top level maven targets and in goals provide the maven commands which need to be performed such as test, test -P IT

Scheduling the execution of projects

Go to configure and select build Triggers and choose the build periodically option in Schedule provide the scheduled time

There is a format to set the time min: hour: date: month: day week

* Minutes in 1 hour (0-59)
* Hours in 1 day (0-23)
* Day in month (1-31)
* Month in a year (1-12)
* Day on the week (0-7) where o and 7 are Sunday

If say we want to start the execution daily at 4 just give \*4\*\*\*

If say we want to start the execution daily at 4 .20 just give 20 4\*\*\*

If say we want to start the execution on the 11th at 4 20 just give 20 4 11\*\*

If say we want to start the execution on oct 11th at 4 20 just give 20 4 11 10\*

If say we want to start the execution on Oct 11th at 4 20 every Sunday just give 20 4 11 10 0

Note:- **If we give just hour each minute it will trigger the execution to avoid that provide H in that hour so it will execute only once in a hour**

**Do you really mean "every minute" when you say "\* 1 \* \* \*"? Perhaps you meant "H 1 \* \* \*" to poll once per hour**