**Jenkins**

**Assignment 2**

**21st Feb 2024**

**Create Repository having 3 branched named as 2024Q1, 2024Q2 and 2024Q3. Install httpd server and deploy index.html file on each branch. Whenever we run particular branch, respective index.html should deploy.**

* Launch a EC2 instance.
* Install java : yum install java-11-amazon-corretto.x86\_64 -y
* Create a directory called “servers” in /mnt and install Tomcat in it.
* Go to servers directory ->

wget <https://dlcdn.apache.org/tomcat/tomcat-9/v9.0.86/bin/apache-tomcat-9.0.86.zip>

-> unzip file -> Give full permission to file -> Go to Webapps -> Install Jenkins ->

wget <https://get.jenkins.io/war-stable/2.440.1/jenkins.war> -> Start the tomcat from bin : ./startup.sh -> For accessing the tomcat go to browser - <public ip of instance>:8080/jenkins -> Provide initial admin password, install suggested plugin and give username details to see Jenkins UI

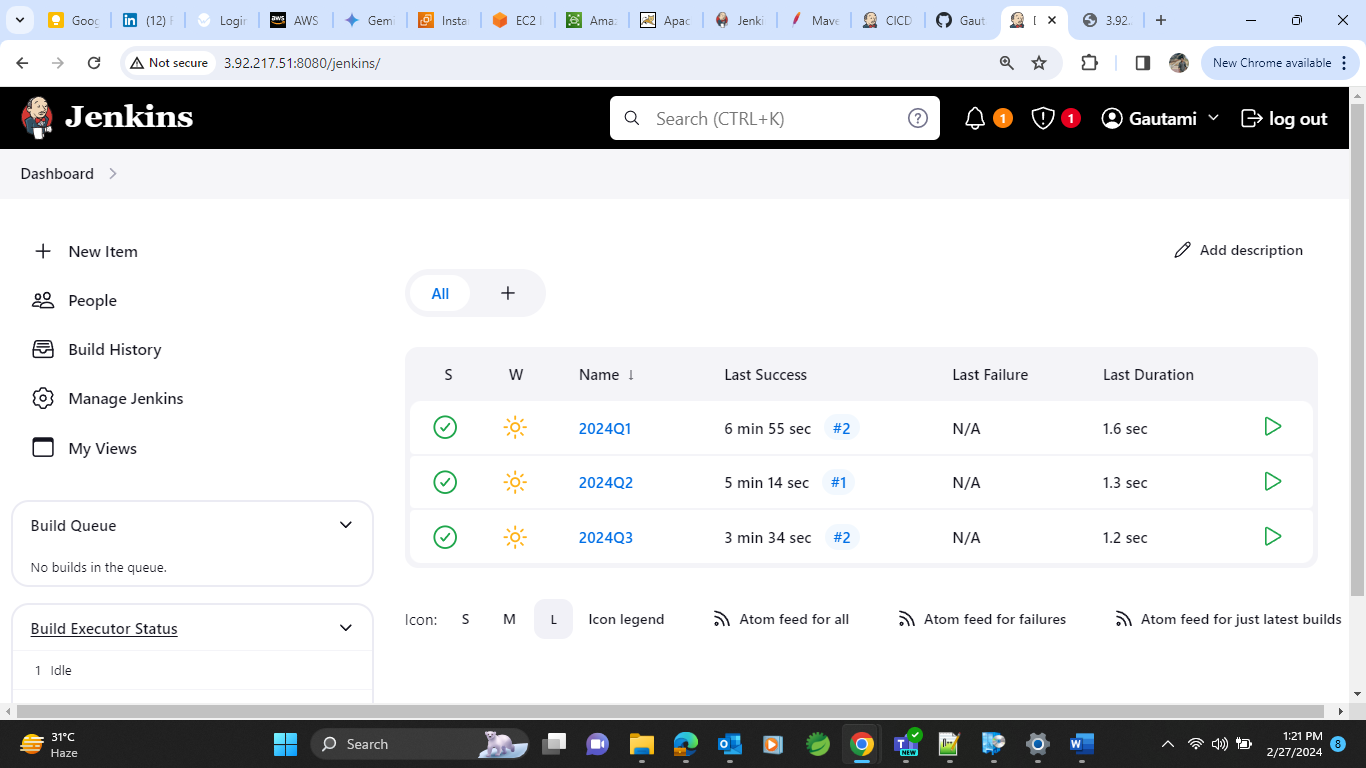
* Meanwhile install git.

Create One repository on GitHub named as Jenkins\_repo. Create 3 branches named a 2024Q1, 2024Q2, 2024Q3.

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Now create 3 jobs for each branch and do all configuration. Add git repository URL and specify branch to build.



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Use execute shell in build step and provide below code.

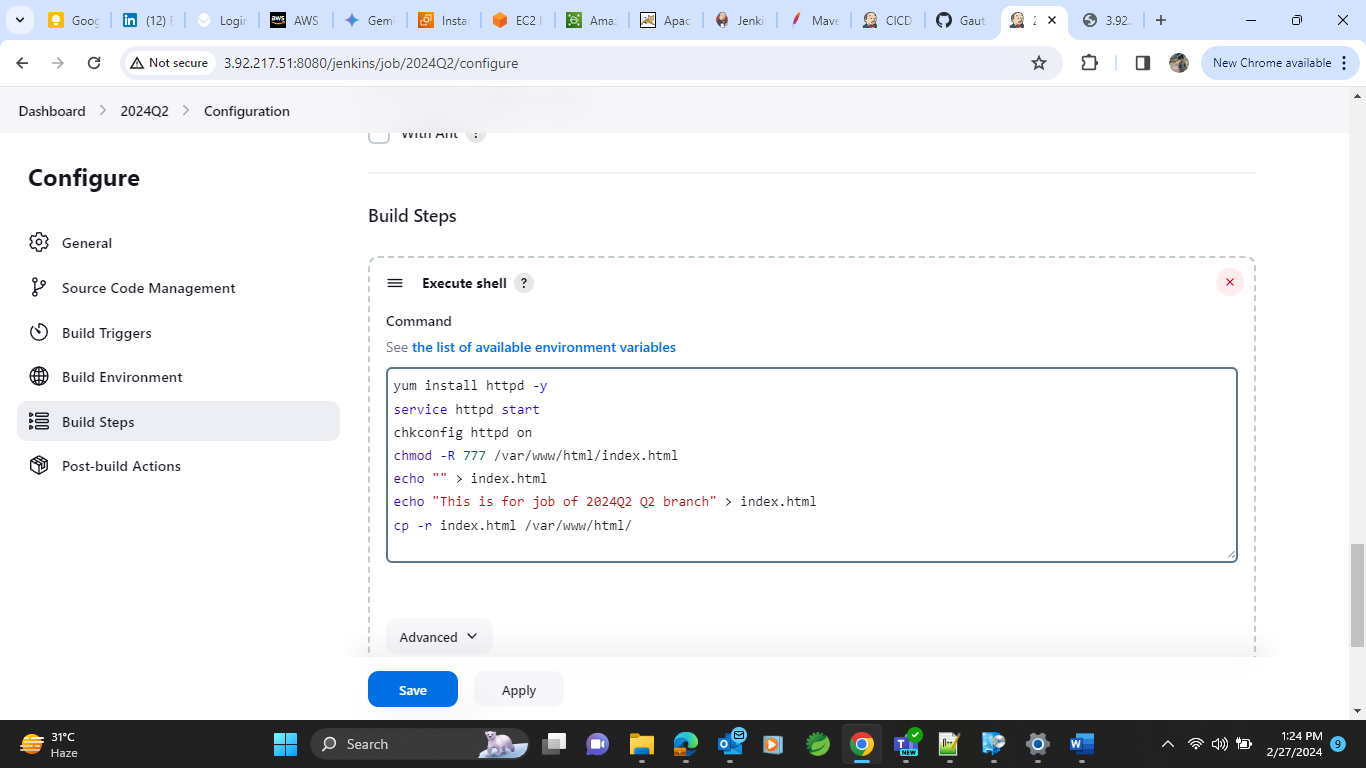
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To access index.html file of particular branch, build that job and paste <public\_ip\_of\_instance> in the browser.

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Do all the same process for job 2 i.e. 2024Q2.

And do same for job 3 i.e. 2024Q3

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After that make a build of same and when accessing the public ip we will get output from particular index.html file of job

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