**Asmit Kumar – 10840047 - Weekly Assessment 1**

**Create a user jack and assign a password alberto, This user should be member of wheel group as well as nobody group**

First I created an instance in aws

A screenshot of a computer

AI-generated content may be incorrect.

Then I assigned the hostname and logged as a root user

A screenshot of a computer program

AI-generated content may be incorrect.

After that I created a user named Jack and set the password alberto, then I checked if wheel and nobody group already existed, then I added jack to both the groups.

A screenshot of a computer

AI-generated content may be incorrect.

**Put a new Java project on GitHub. Create a Jenkins project and integrate it with GitHub. Now add the maven package goal in the Jenkins project. Also make sure the artifacts which are built are saved in the pipeline.**

At first I installed git in my terminal

A screenshot of a computer

AI-generated content may be incorrect.

Then I generated ssh keys and pasted it in the gtihub

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

Connected git to my github repository

A screenshot of a computer

AI-generated content may be incorrect.

Then I installed java, maven and jenkins

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

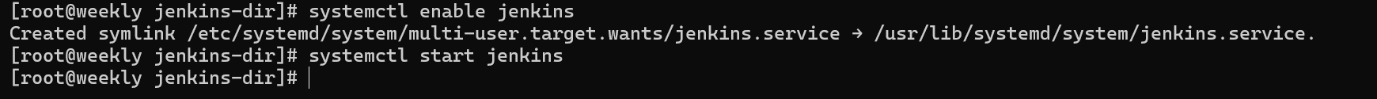
AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.



In aws instance I added a new inbound rule with port 8080 which is the default port of jenkins so that jenkins can run in the browser.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

A screen shot of a computer

AI-generated content may be incorrect.

After opening jenkins, it was saying that the disk space is low.

A screenshot of a computer

AI-generated content may be incorrect.

So I increased the tmp space to 2 gb.

A screenshot of a computer

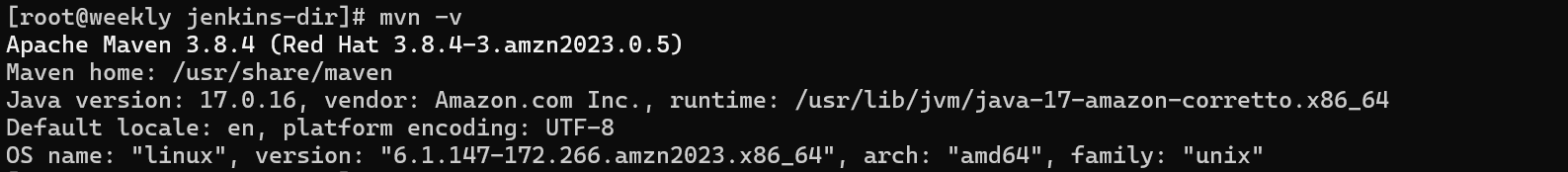
AI-generated content may be incorrect.

Then this problem got solved.

A screenshot of a computer

AI-generated content may be incorrect.

Then I ran a command to display the path of java and maven



In jenkins, I went to manage jenkins then tools, add jdk and add maven and add java and maven paths to their respective given space

A screenshot of a computer

AI-generated content may be incorrect.

A blue line on a white background

AI-generated content may be incorrect.

Then I added webhooks and generated token under profile then security and copied the token and pasted it in the github repo – security – webooks

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a web page

AI-generated content may be incorrect.

Webhooks is succesfully added.

Now I created a job with maven project named **weekly-assm1.**

A screenshot of a computer

AI-generated content may be incorrect.

Then I added my github repository url so that the job can read from my repository.

A screenshot of a computer

AI-generated content may be incorrect.

Then I added trigger – Github hook trigger for GITScm polling so that whenever any changes is done by the developer in github it will automatically build the project.

A screenshot of a computer

AI-generated content may be incorrect.

At first I clicked build now and the project got built successfully.

A screenshot of a computer

AI-generated content may be incorrect.

Then I did some changes in the file inside my repository and in second time jenkins built it automatically.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.