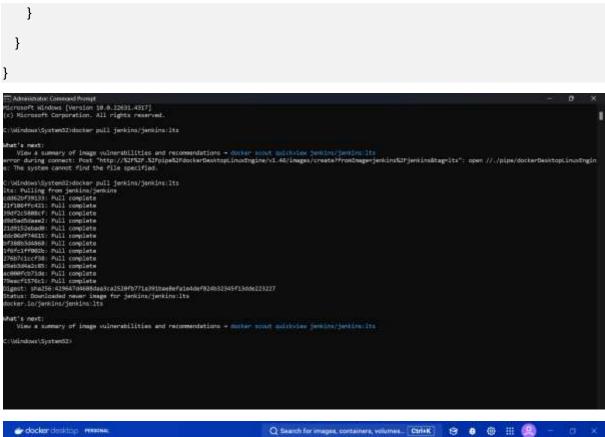
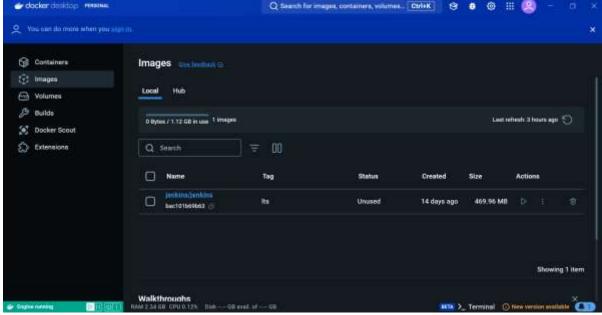
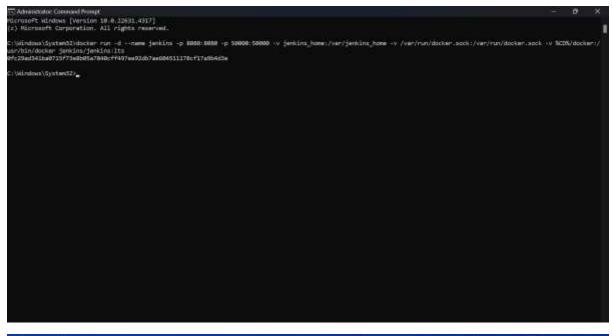
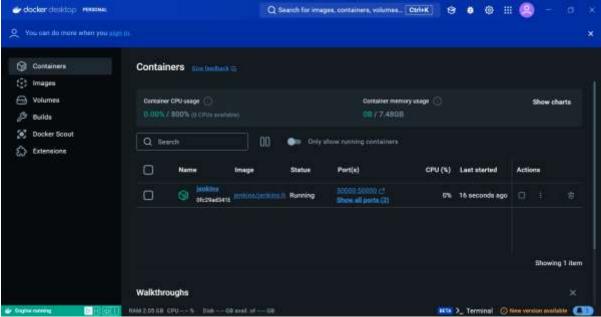
Pipeline Script:

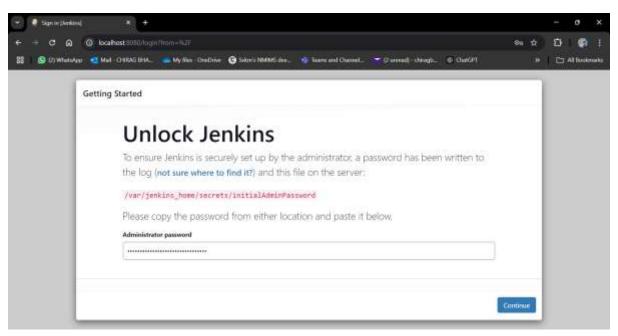
```
pipeline {
 agent any
 stages {
   stage('Build Docker Image') {
     steps {
       script {
         echo "Building Nginx Docker Image from the specified directory"
         // Specify the path to the directory where your Dockerfile is located
         sh 'docker build -t my-nginx-image
C:/Users/chira/OneDrive/Desktop/Sem3/DevOps/m2'
       }
     }
   }
   stage('Run Docker Container') {
     steps {
       script {
         echo "Running Nginx Docker Container"
         // Run the Docker container using the newly built image
         sh 'docker run -d --name nginx-container -p 8081:80 my-nginx-image'
       }
     }
   }
   stage('Verify Docker Container') {
     steps {
       script {
         echo "Verifying Nginx Docker Container is running"
         // List running containers to verify the Nginx container is up
         sh 'docker ps'
       }
     }
```

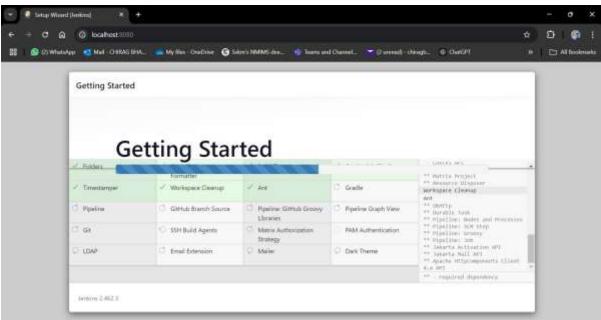


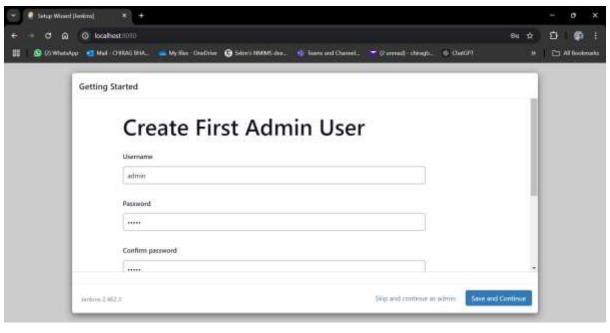


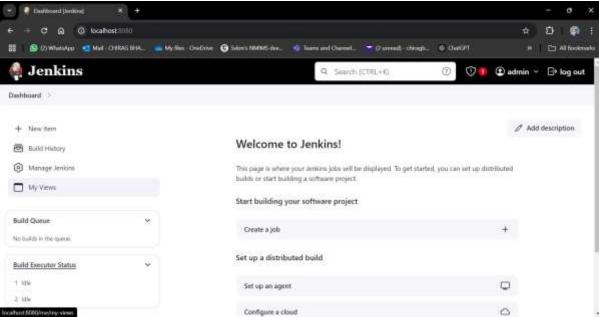


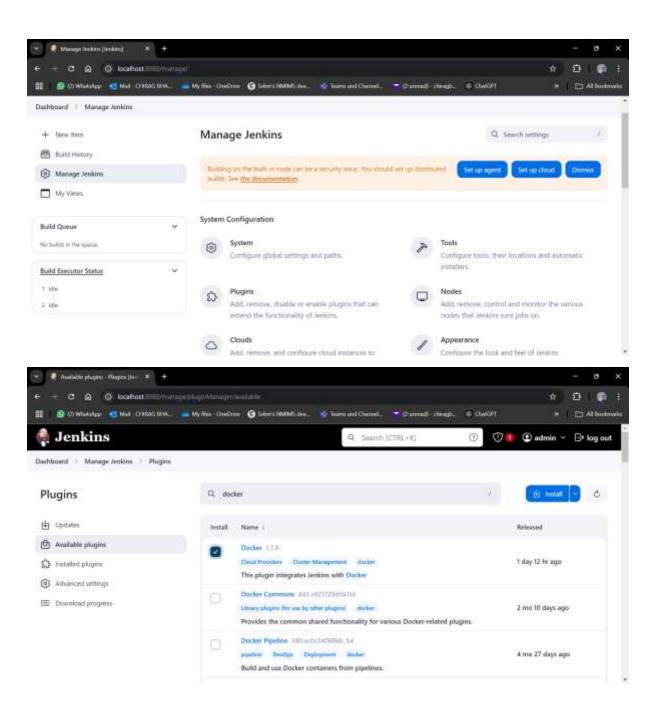


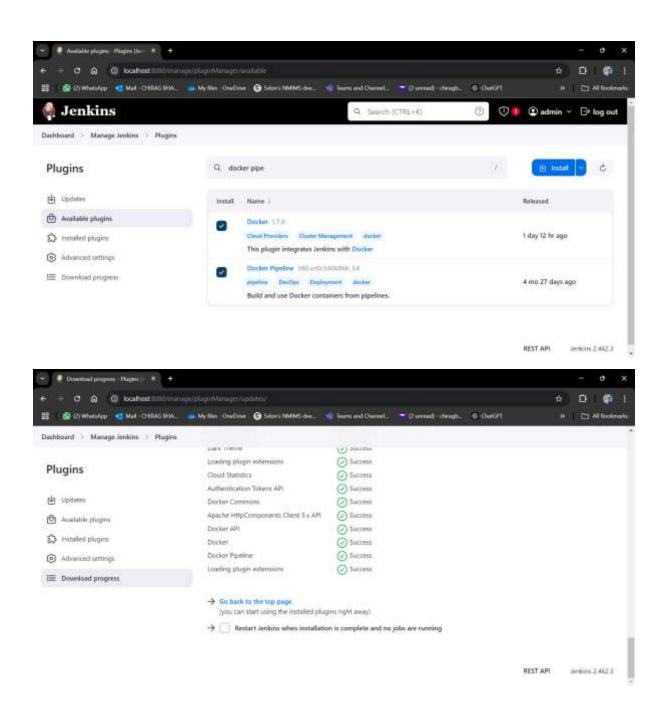


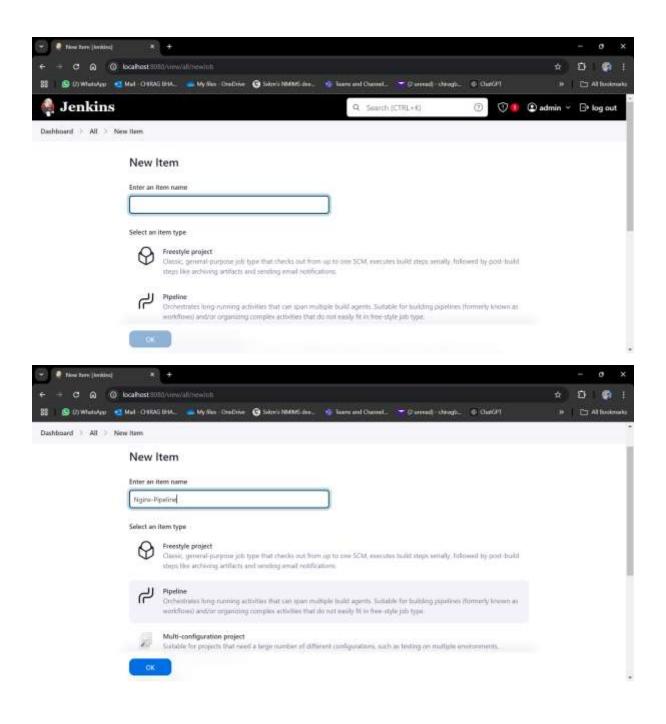


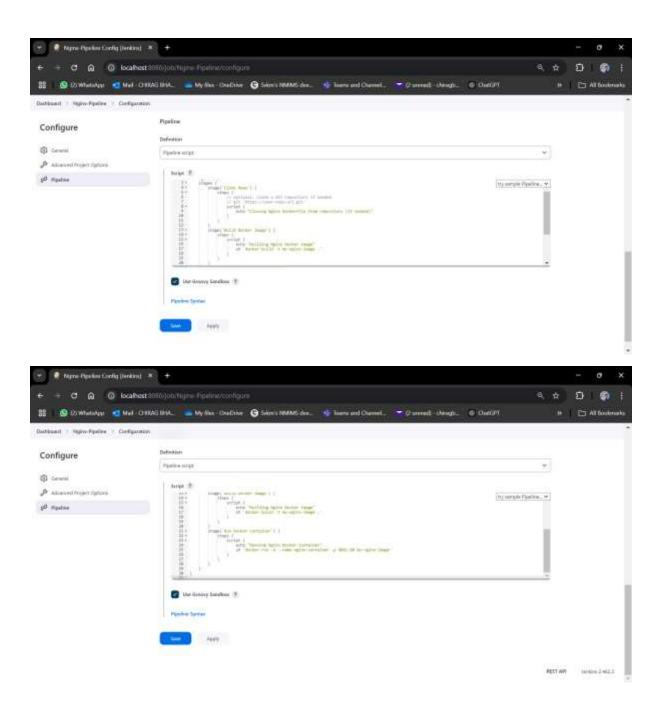


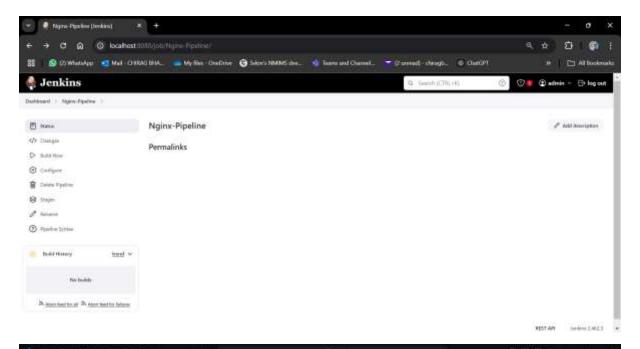








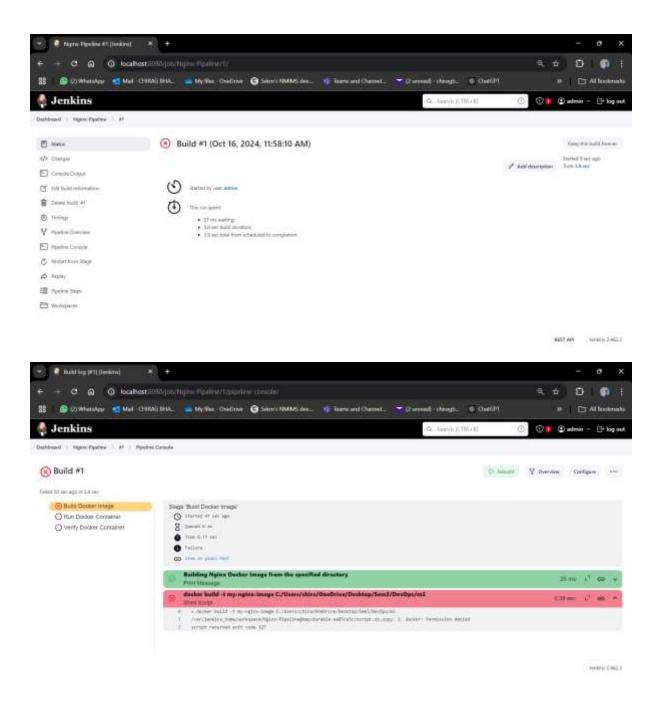


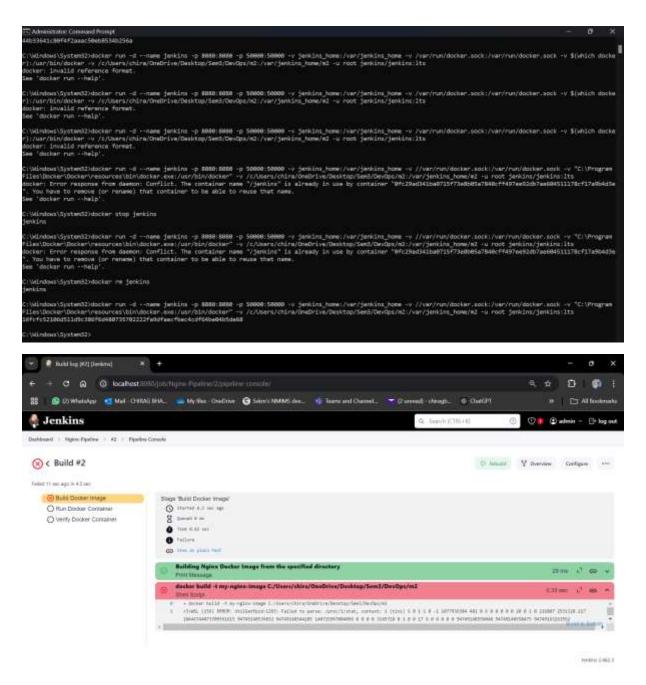




Dockerfile:

```
// Specify the path to the directory where your Dockerfile is located
         sh 'docker build -t my-nginx-image
C:/Users/chira/OneDrive/Desktop/Sem3/DevOps/m2'
       }
     }
   }
   stage('Run Docker Container') {
     steps {
       script {
         echo "Running Nginx Docker Container"
         // Run the Docker container using the newly built image
         sh 'docker run -d --name nginx-container -p 8081:80 my-nginx-image'
       }
     }
   }
   stage('Verify Docker Container') {
     steps {
       script {
         echo "Verifying Nginx Docker Container is running"
         // List running containers to verify the Nginx container is up
         sh 'docker ps'
       }
     }
```





The build failed due to wsl. Not able to troubleshoot. Rest Jenkins was setup successfully and docker and docker pipeline was installed successfully and a pipeline project was configured from scratch successfully.