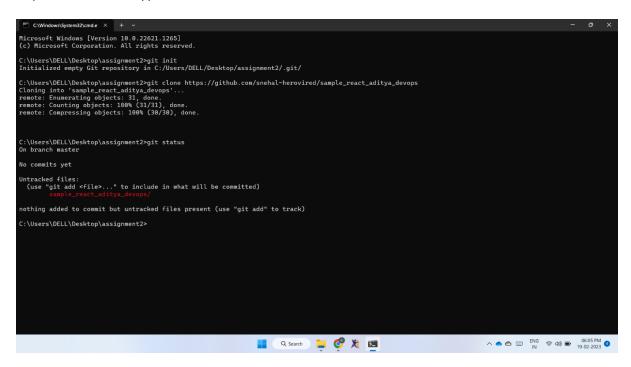
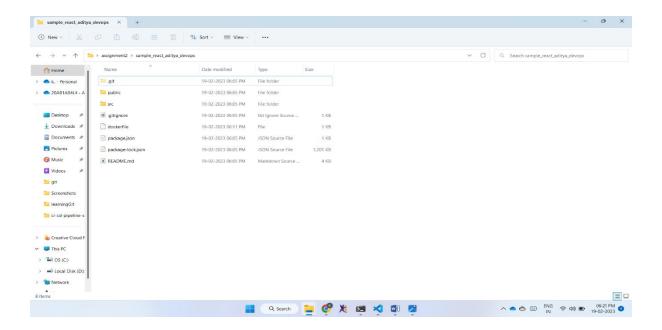
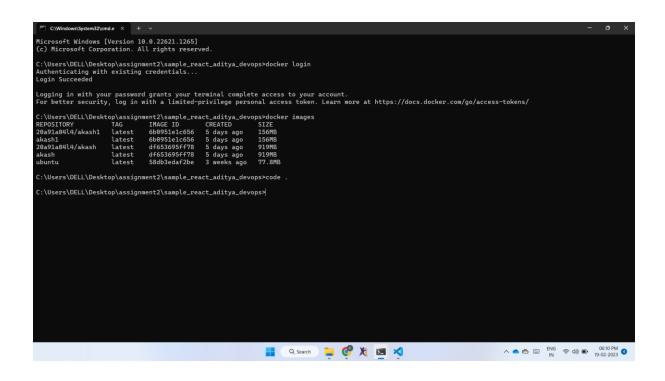
## **Graded Assignment on Docker and CI-CD pipeline**

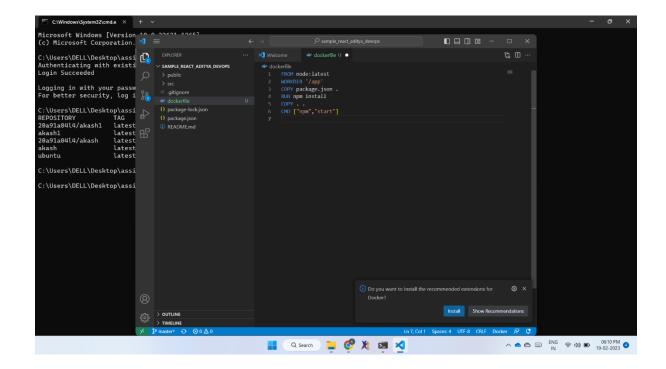
**Question1**: You are provided with a ReactJS application and it can be found on the repository with the link provided below.

Create a Dockerfile for this React application and also create image and run the image as container and the output of the ReactJS application should be shown on the localhost.









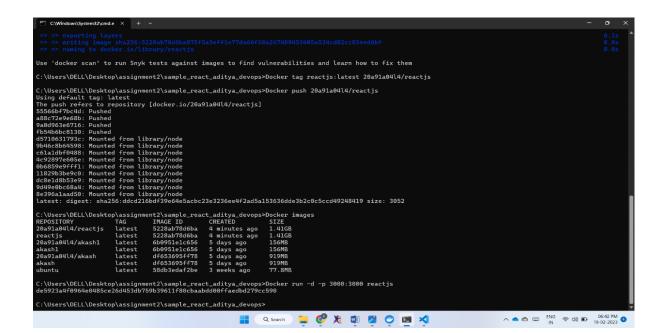
```
C:\Users\DELL\Desktop\assignment2\sample_react_aditya_devops>docker login
Authenticating with existing credentials...
Login Succeeded

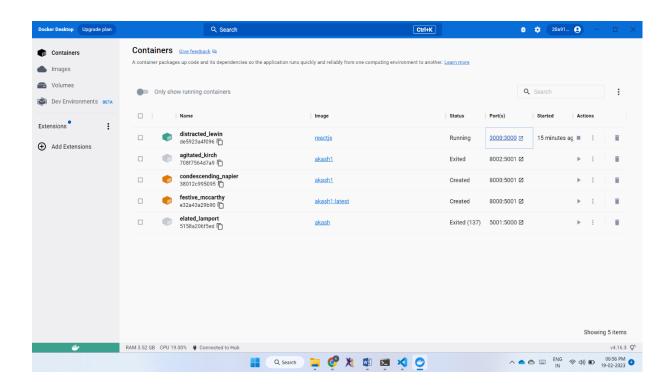
Loging in with your password grants your travinal complete access to your account.
For better security, log in with a limited-privilege personal access token. Learn more at https://docs.docker.com/go/access-tokens/

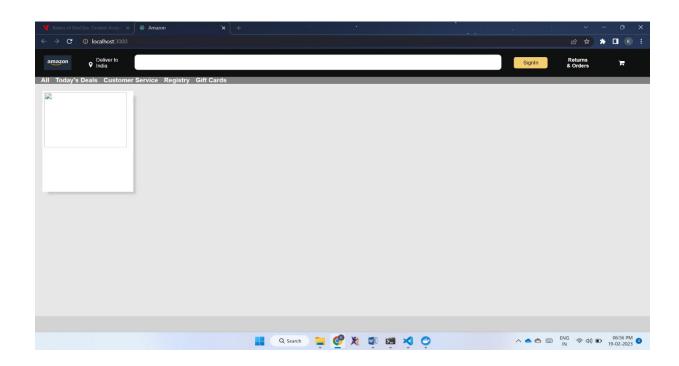
C:\Users\DELL\Desktop\assignment2\sample_react_aditya_devops>docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

REPOSITORY TAG IMAGE ID CREATED SIZE IN TAG IMAGE ID CREATED SIZE ID
```







## Question 2:

Describe the CI-CD pipeline and also describe the role of jenkins here.

You have to create a manual ci-cd pipeline through bash script and cron jobs for a nodejs simple application. For the Node JS application you can have the same application provided to you on the repository here :https://github.com/snehal-herovired/LearningGlt.

## CI-CD-PIPELINE:

\_\_\_\_\_

A continuous integration and continuous deployment pipeline is a series of steps that must be performed in order to deliver a new version of software. CI/CD pipelines are a practice focused on improving software delivery throughout the software development life cycle via automation. JENKINS:

=======

Jenkins is an open-source automation tool for Continuous Integration (CI) and Continuous Deployment (CD). It is a server-based system that runs in servlet containers like Apache Tomca

