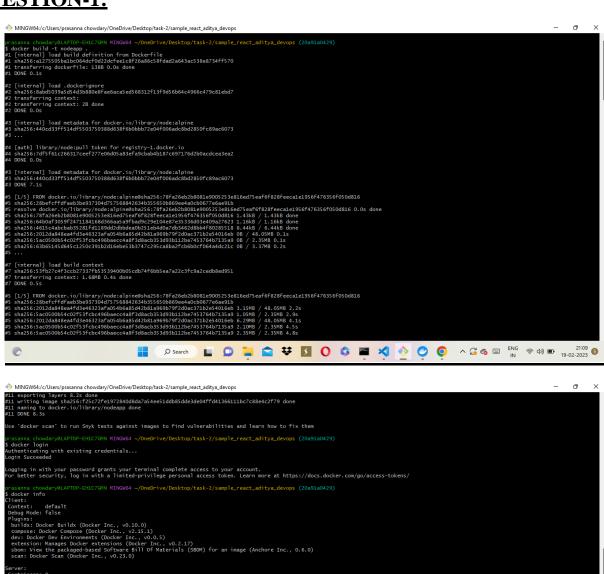
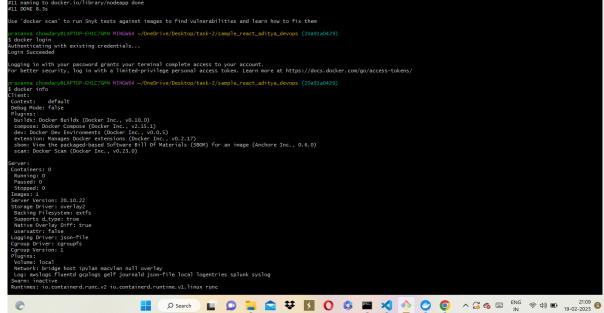
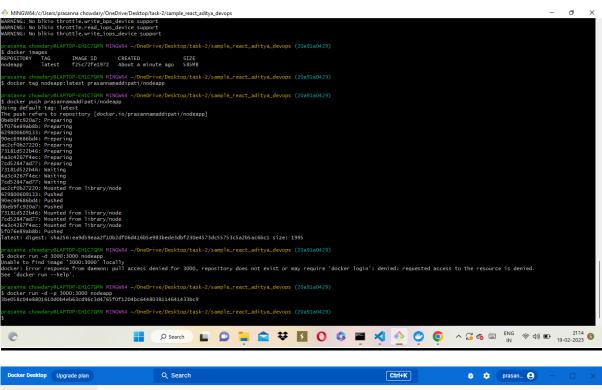
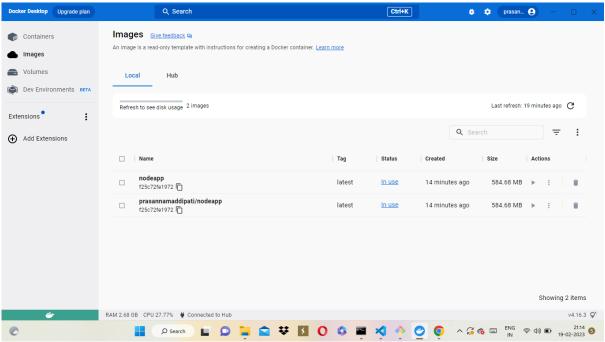
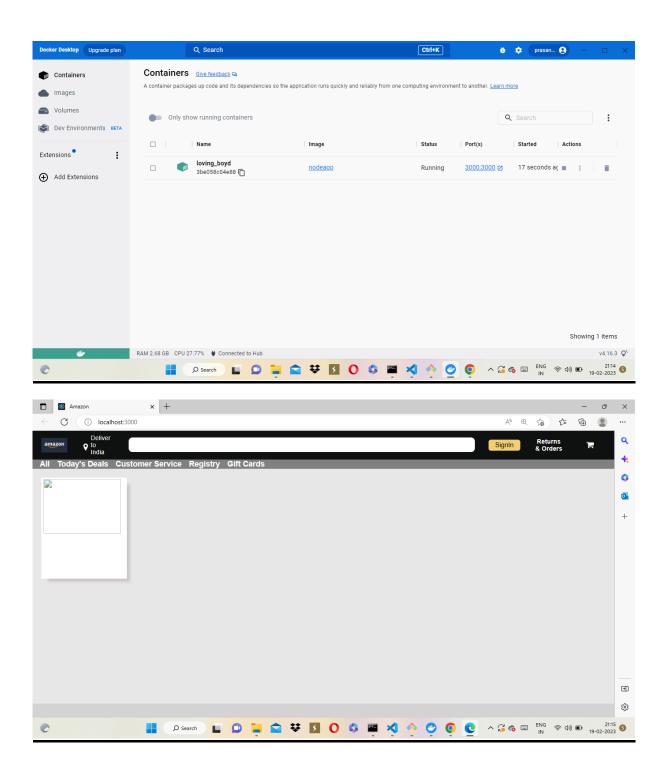
OUESTION-1:

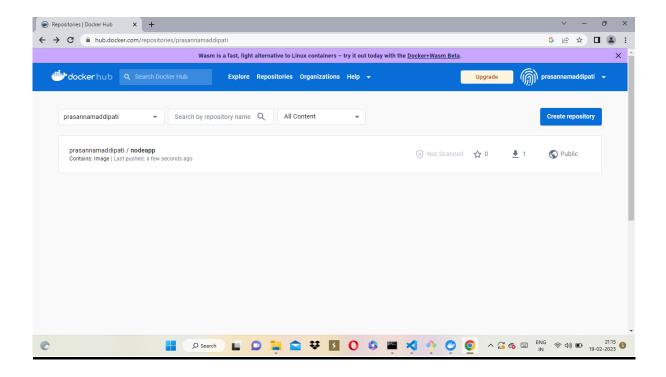












OUESTION-2:

CI-CD PIPELINE:

- It means continuous integration and continuous deployment.
- It is a method to frequently deliver apps to customers by introducing automation into the stages of continuous delivery, and continuous deployment
- Continuous deployment is a strategy in software development where code changes to an application are released automatically into the production environment.
- Continuous integration is the practice of automating the integration of code changes from multiple contributors into a single software project.

PROCESS OF CI-CD PIPELINE:

- 1.Code
- 2.Fetch
- 3.Build
- 4.Test
- 5. Notify
- 6.Feedback
 - Code--->Merge--->Build--->Test Automatically deploy to production.

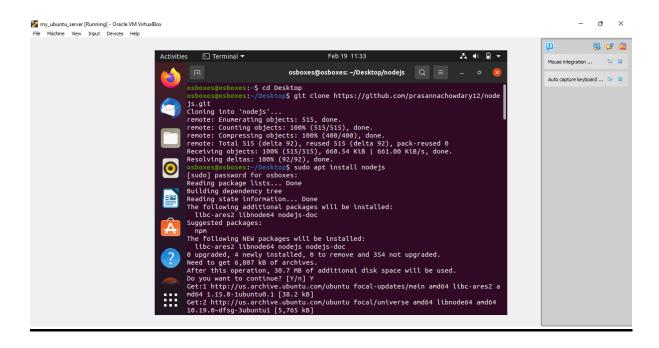
JENKINS:

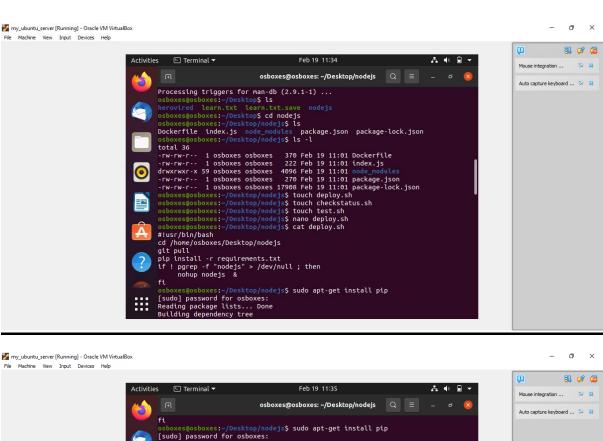
- It is an opensource automation server.
 - ➤ Building
 - > Testing
 - Deploying
- It is used to implement CI-CD workflows, called pipelines.
- Jenkins is used to build and test the software projects continuously making it easier for developers to integrate changes to the project, and making it easier for users to obtain a fresh build.

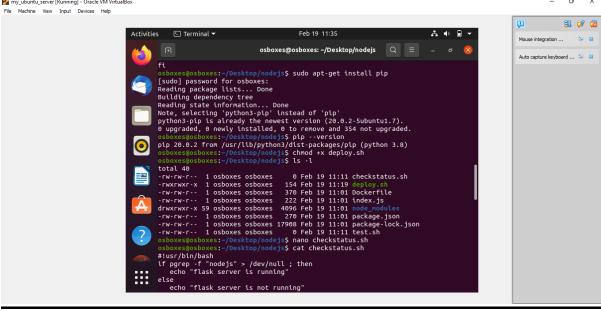
• It also allows you to continuously deliver your software by integrating with a large number of testing and deployment technologies.

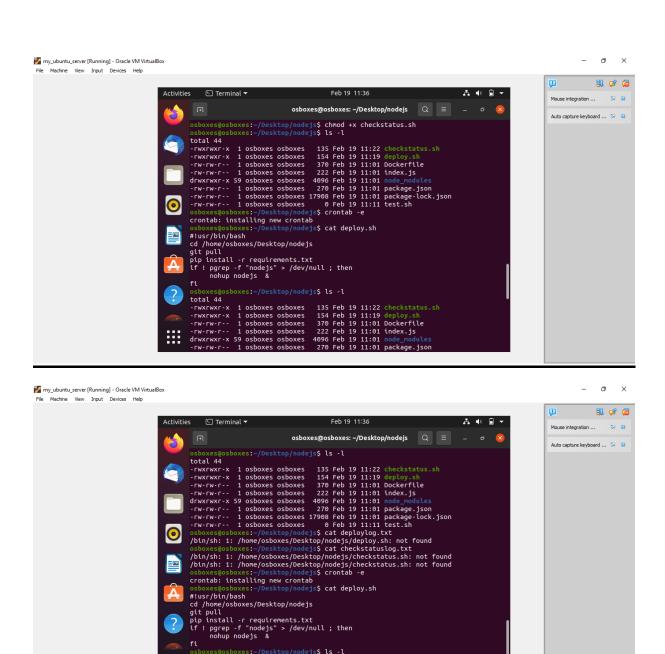
ADVANTAGES:

- 1.It is easy to install.
- 2.It is free of cost
- 3.It is an opensource tool with a great community support.









osboxes@osboxes:~/Desktop/nodejs\$ ls -l
total 52
-rw-rw-r-- 1 osboxes osboxes 335 Feb 19 11:30 checkstatuslog.txt
-rwxrwxr-x 1 osboxes osboxes 135 Feb 19 11:22 checkstatus.sh