NAME: KSHITIJ GUPTA Enrolment Number: 21162101007

Sub: CS

Practical – 8[Batch-71]

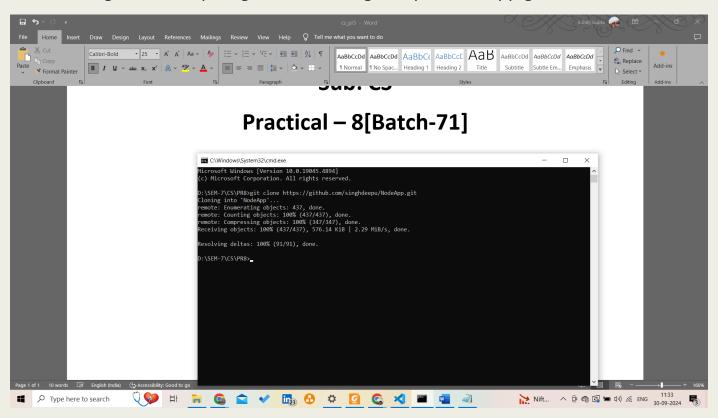
Definition:

You are a DevOps engineer working for a software development company that is transitioning its applications to containerized environments using Docker. As part of the migration process, you are responsible for ensuring the security and reliability of containers and container images. Your team has developed a web application that is ready for deployment in a containerized environment.

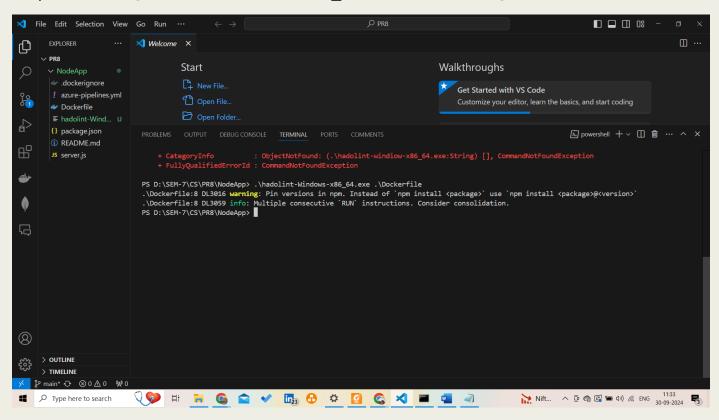
Your task is to assess the security and integrity of the container and image for the web application before it is deployed to production. Your assessment should cover potential vulnerabilities, security best practices, and ensure that the containerized application is properly configured and functional.

Step-1: clone the repo from given link

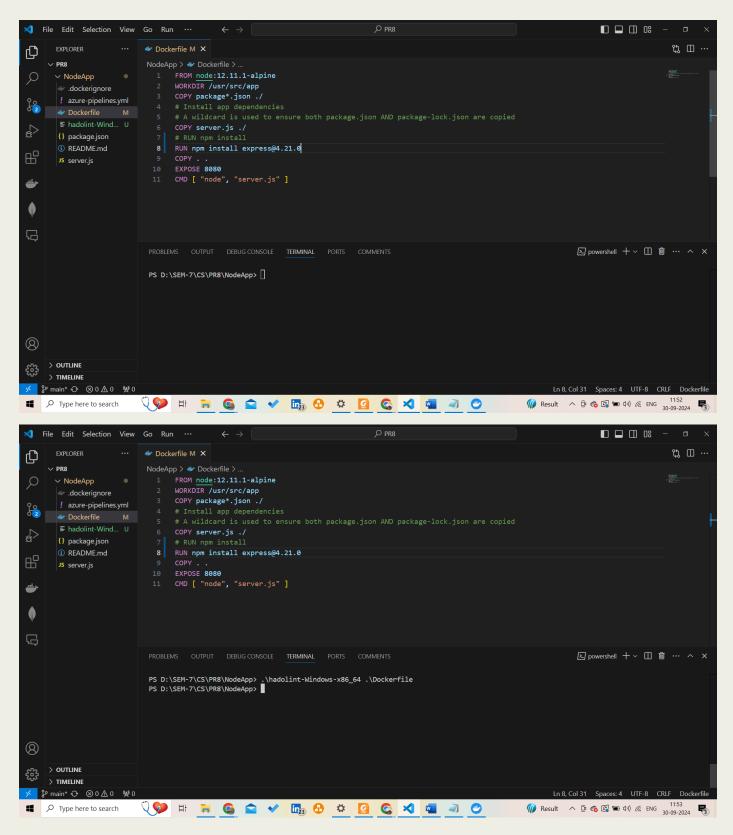
Command: git clone https://github.com/singhdeepu/NodeApp.git



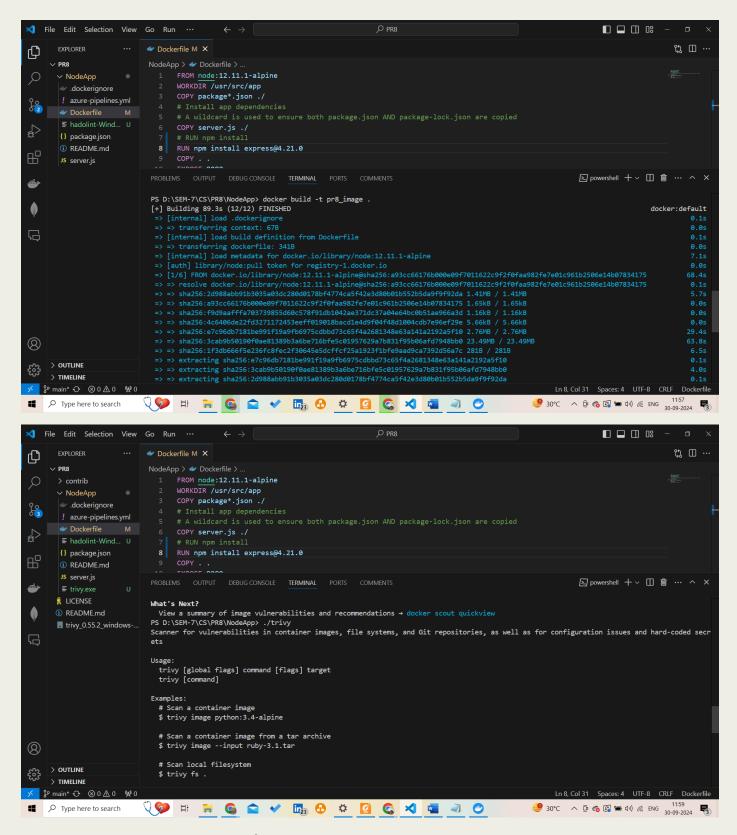
Step-2: run the[.\hadolint-window-x86_64.exe.\Dockerfile] for run hadolint.exe



In Docker File comment sum unusable commands from Docker File

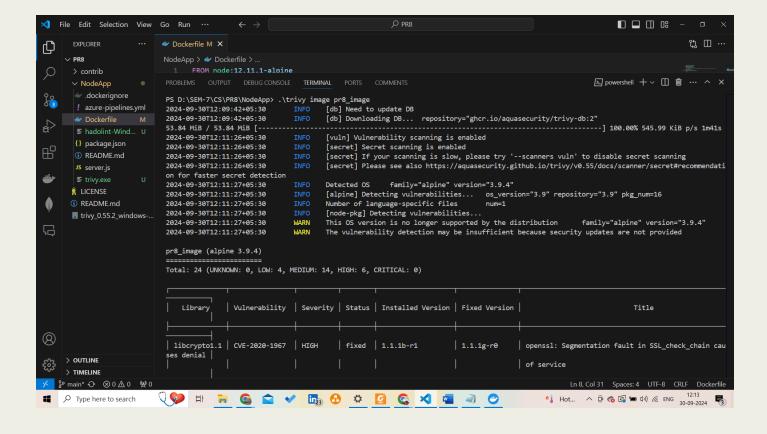


Now build the image using DOCKER BUILD command

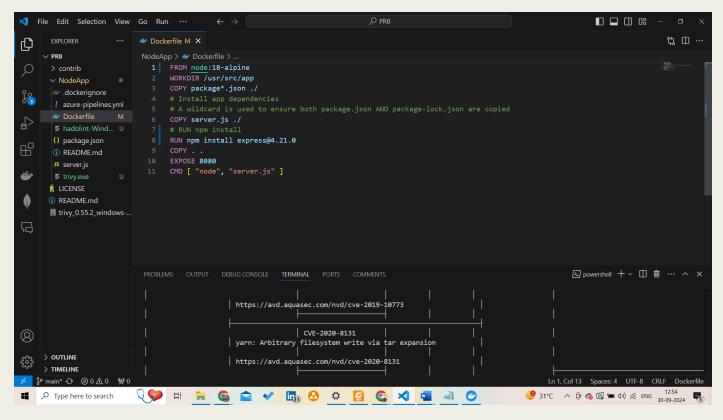


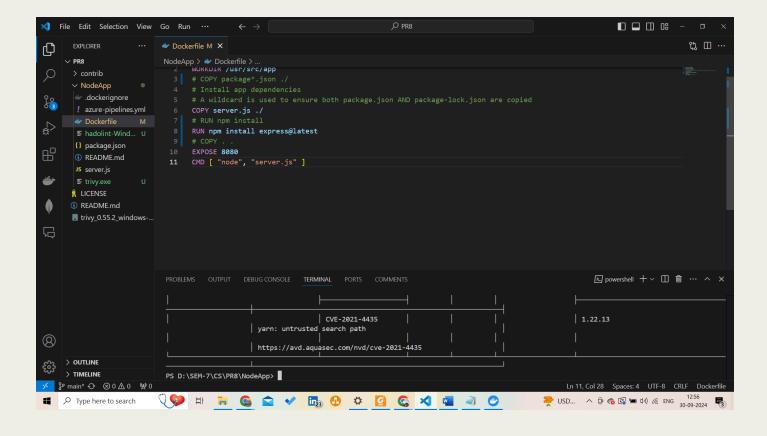
Now we run the image scan for checking vulnerability in the image

Command: [.\trivy image pr8_image] using this command you can check the different vulnerability in image



To remove vulnerability from image remove the unwanted command and use latest packages





Now, again build the image and run trivy command from vulnerability scan.

In our case there are ZERO vulnerability in our image

