# Assignment 4

You need to answer the below questions and submit the links to your repo in the below question space

## Adding CI/CD

As part of Assignment 3, you added Dockerfiles to the below repos, now you need to add CI/CD to it, If you haven't already created a github repo for it, so create it under your account, add Dockerfile to it which you created as part of Assignment 3, If you didn't do Assignment 3 or are unsure of Dockerfile, so I have added Dockerfiles to my repos, you can use them.

and then add CI/CD to it which will
- Checkout Code
- Build Docker Image
- Push Docker Image to Dockerhub

You can use any CI/CD tool you want to use (Github Actions or Jenkins). Whichever tool you use, mention below and share the link to your github repo, which should contain the respective pipeline file and share screenshots of the running pipeline.

## Python app: https://github.com/kahootali/python-auth-example

Repo Link: https://github.com/Rayed14/python-auth-example

Docker Hub link:
https://hub.docker.com/repository/docker/rayed14/python-auth-example/general

CI/CD Tool used: Github Actions

Workflow Screenshots:

Forking and cloning the repository

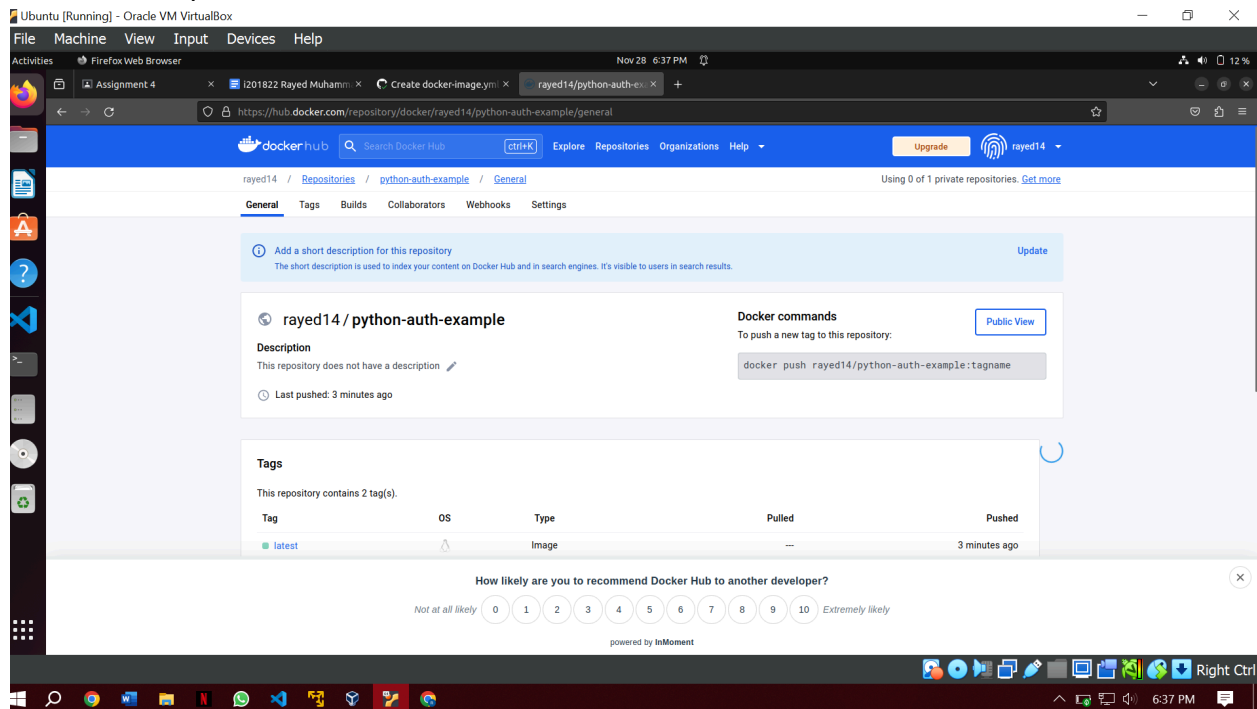Setting docker hub username and password secrets



Yaml file created

Screenshot showing the success of job workflow
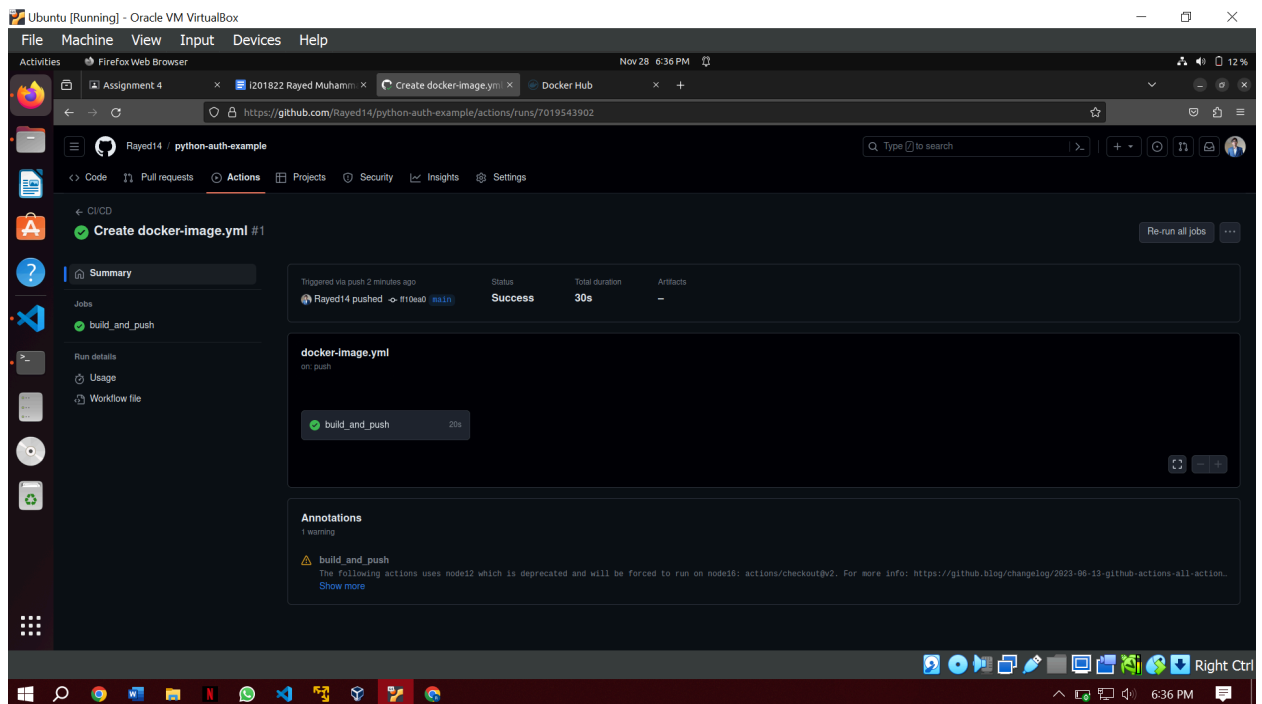
Docker hub repo screenshot that shows the success of the workflow
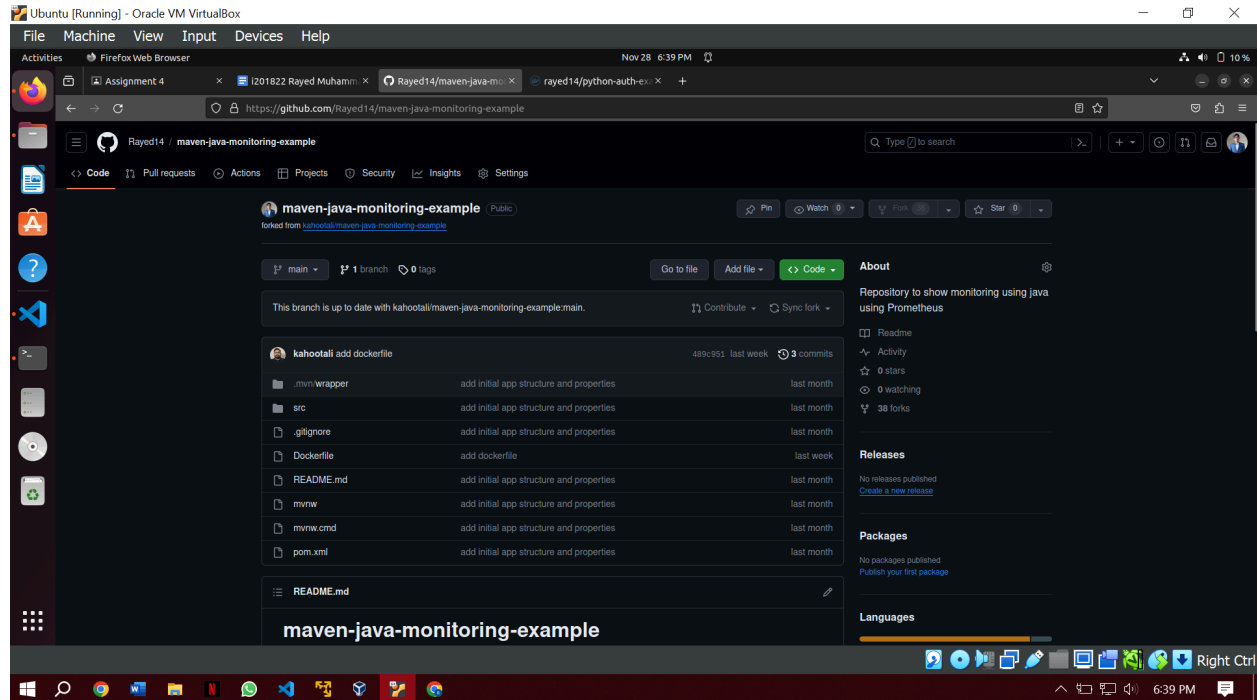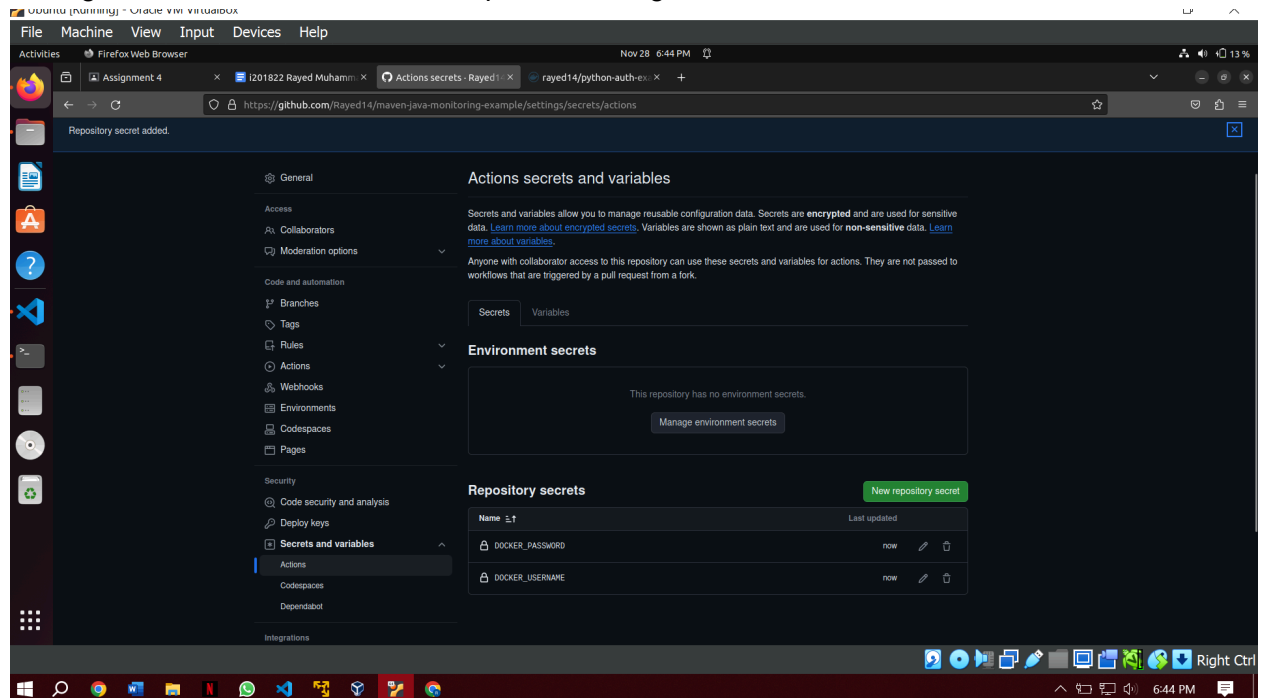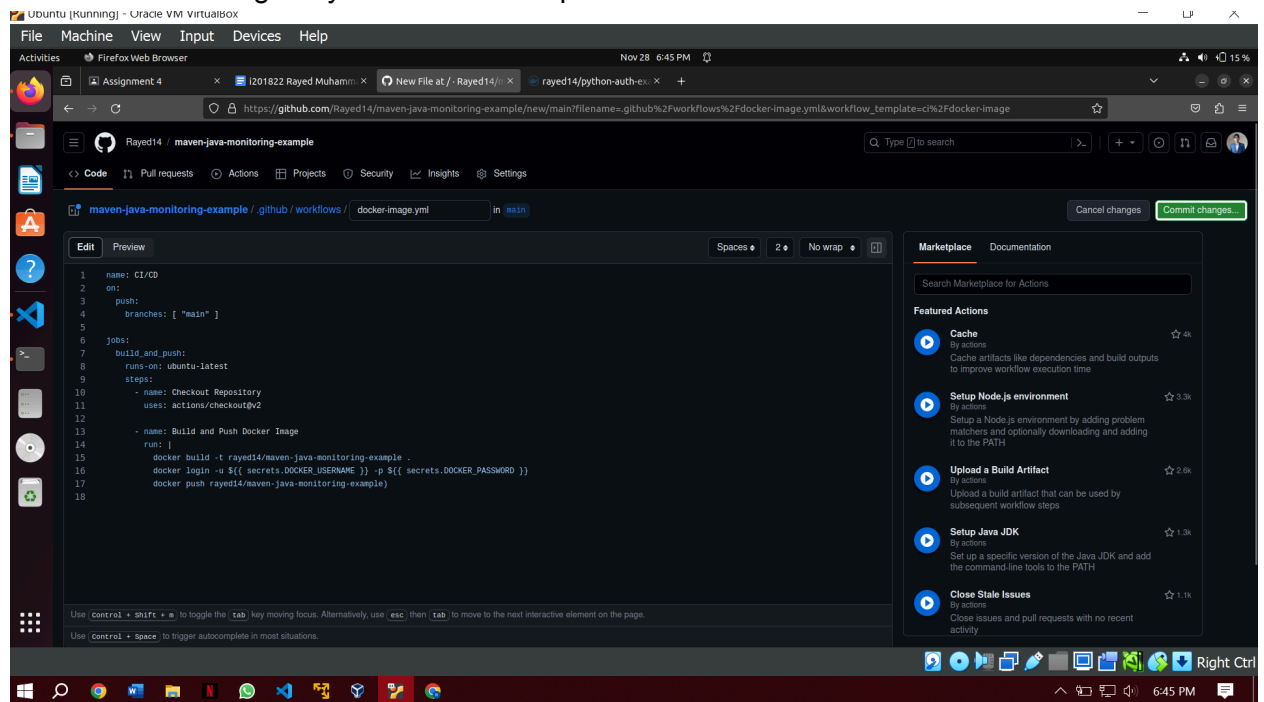


# Java App using Maven as package manager:
https://github.com/kahootali/maven-java-monitoring-example

Repo Link: https://github.com/Rayed14/maven-java-monitoring-example

Docker Hub repo link:
https://hub.docker.com/repository/docker/rayed14/maven-java-monitoring-example/general

CI/CD Tool used: Github Actions

Workflow Screenshots:

Forking of the repo

Cloning the repository and then adding the docker file

Adding the secrets of username and password in github actions secrets



Screenshot showing the yaml file for the repo

## Showing the success of the workflow



## Docker hub image showing the repo and hence showing the success of the workflow