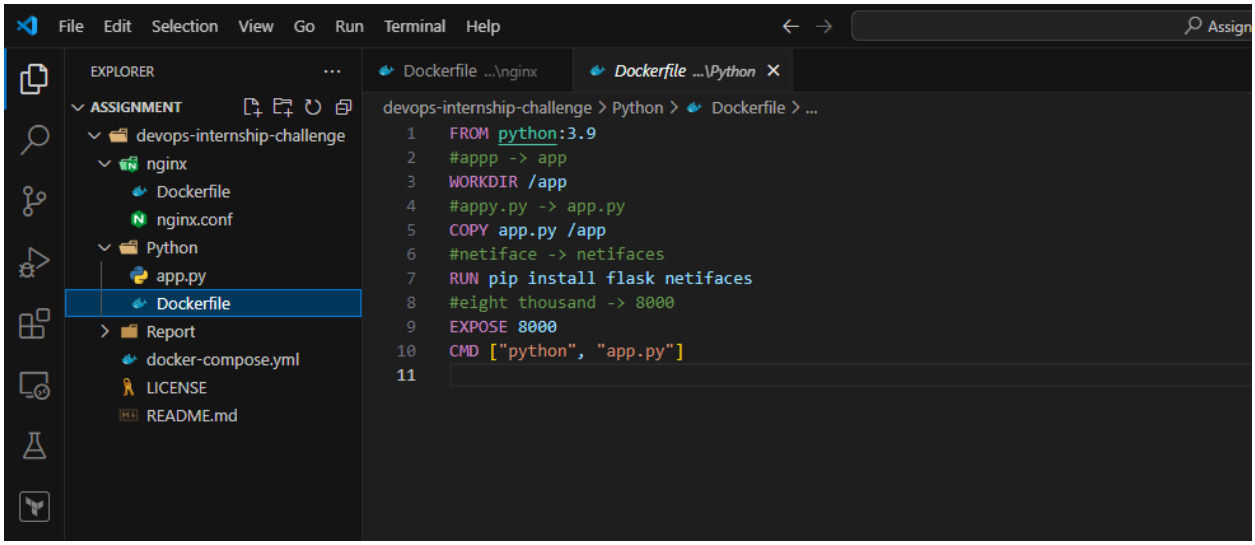
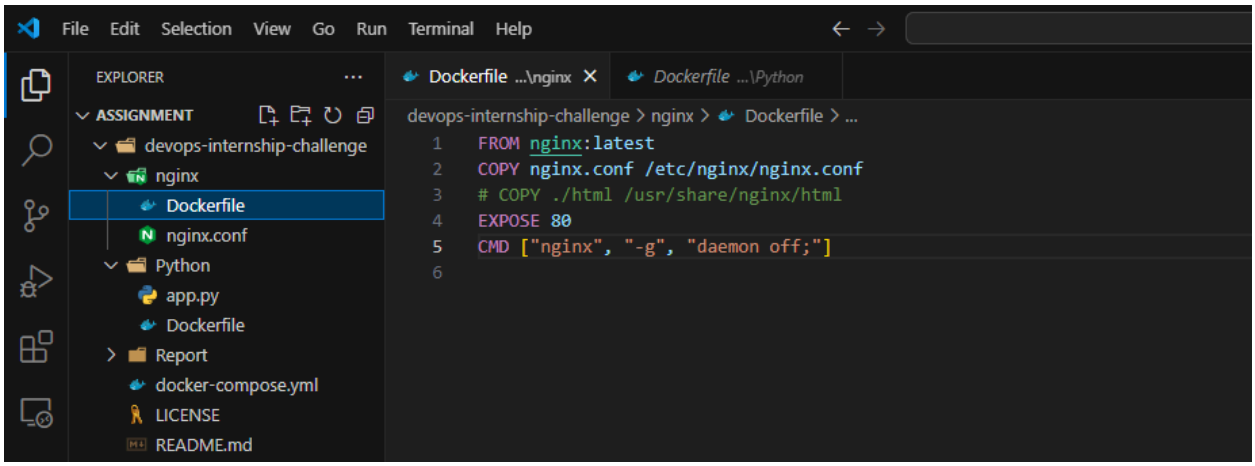
Assignment:

devops-qoala-assignment-Aditya-Singh-21ucc011

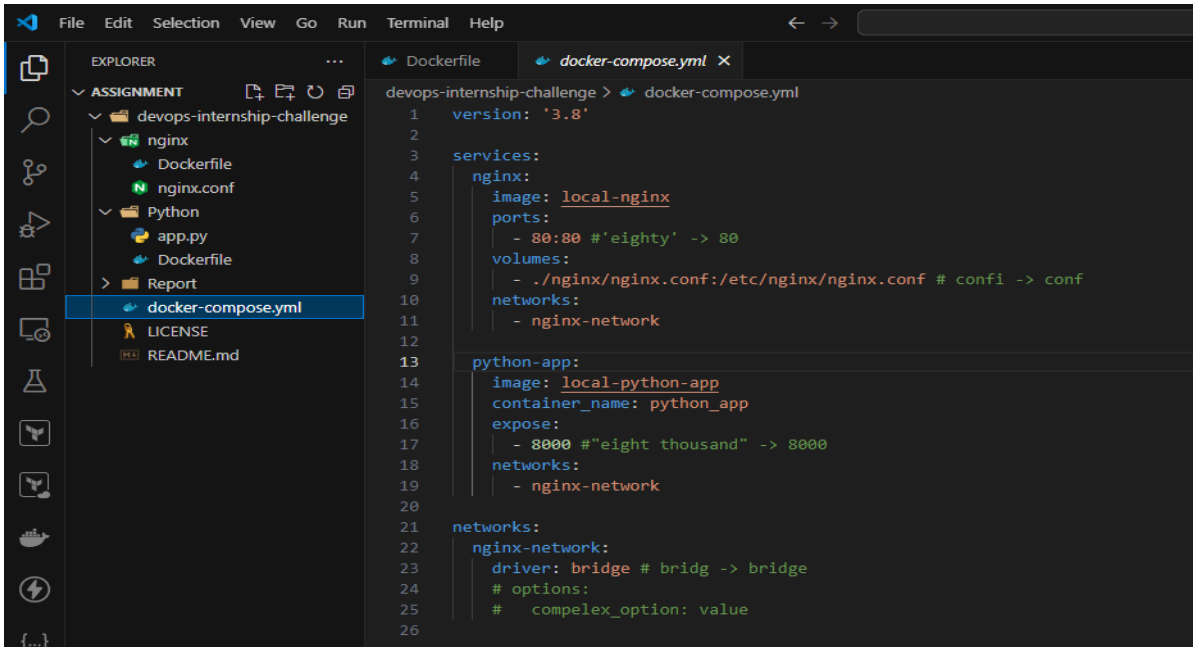
Approach to the Problem:

1. First we debug the dockerfile of both nginx and Python

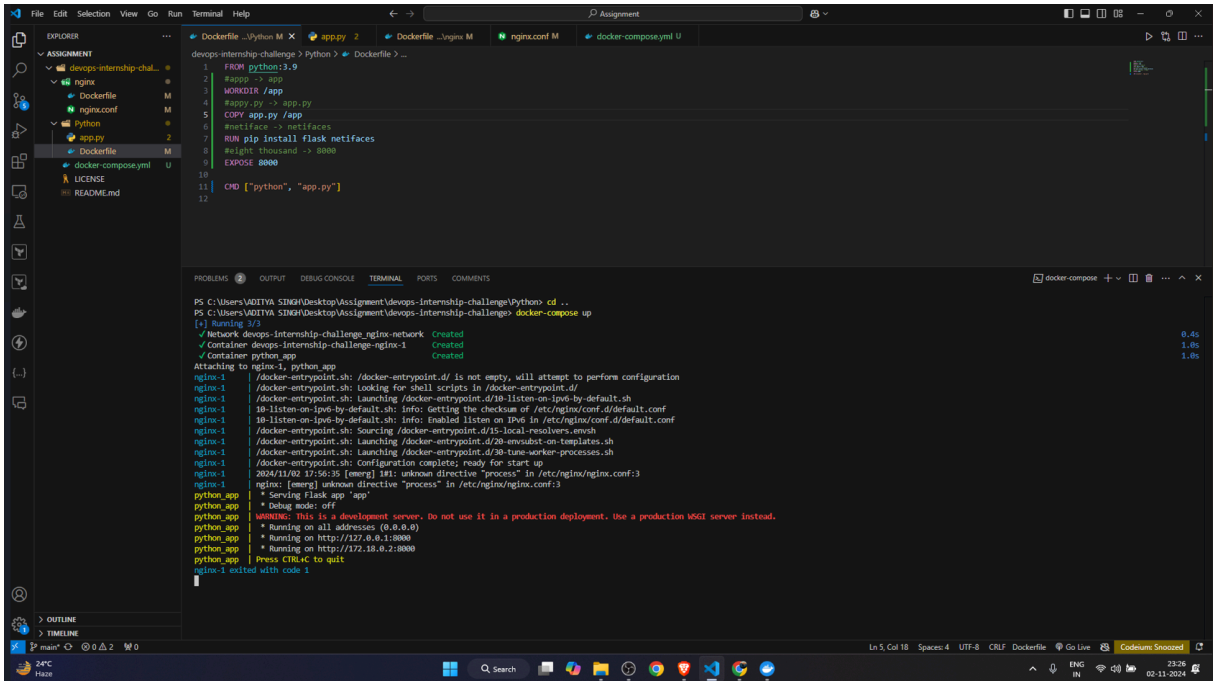




2. We then debug the compose file and then changed the extension from .yaml to .yml

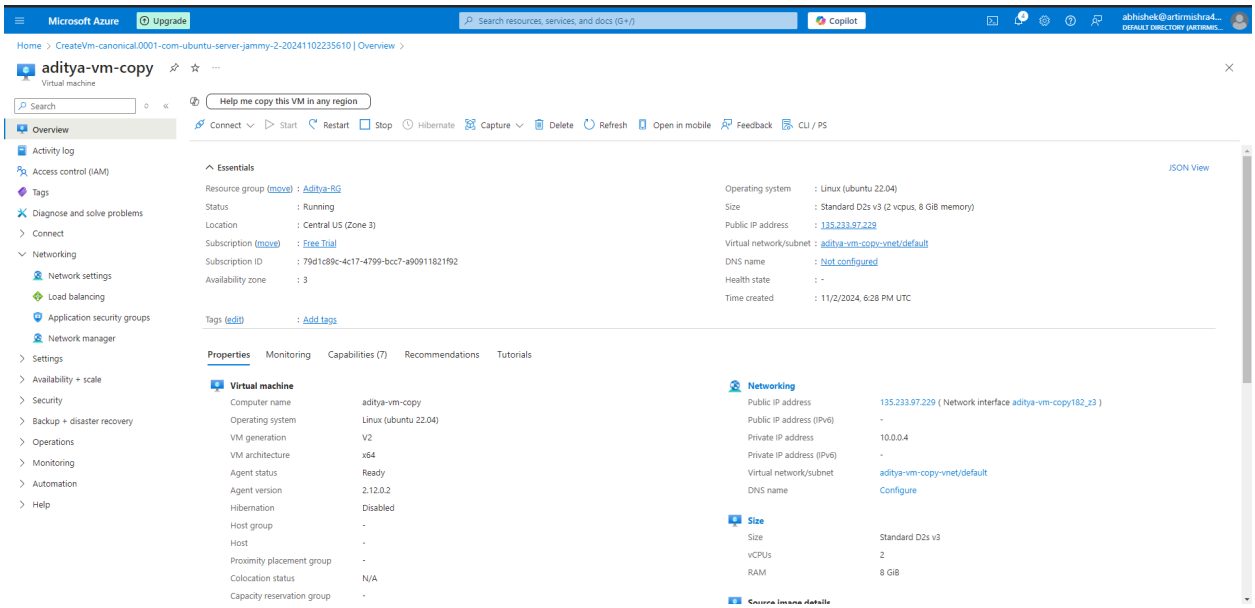


3. We first build the docker images of the nginx and the run the command docker-compose up to run the application locally on port: 80

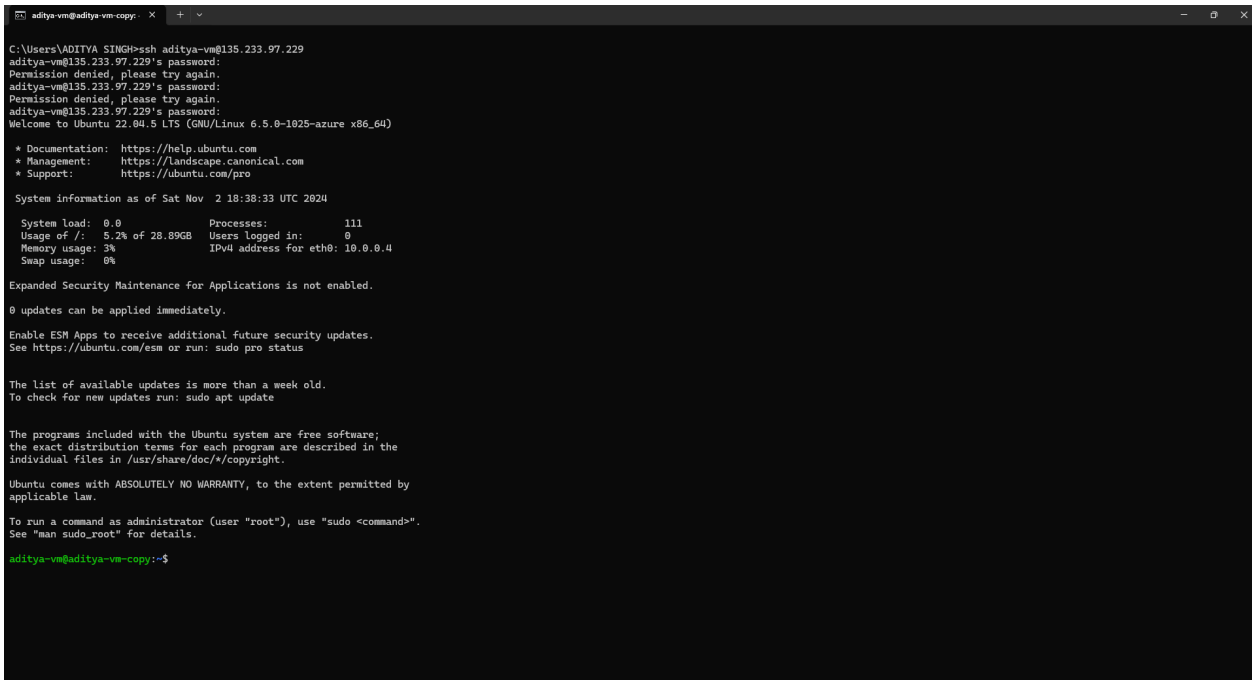


4. Attaching the Screenshot of the locally running application

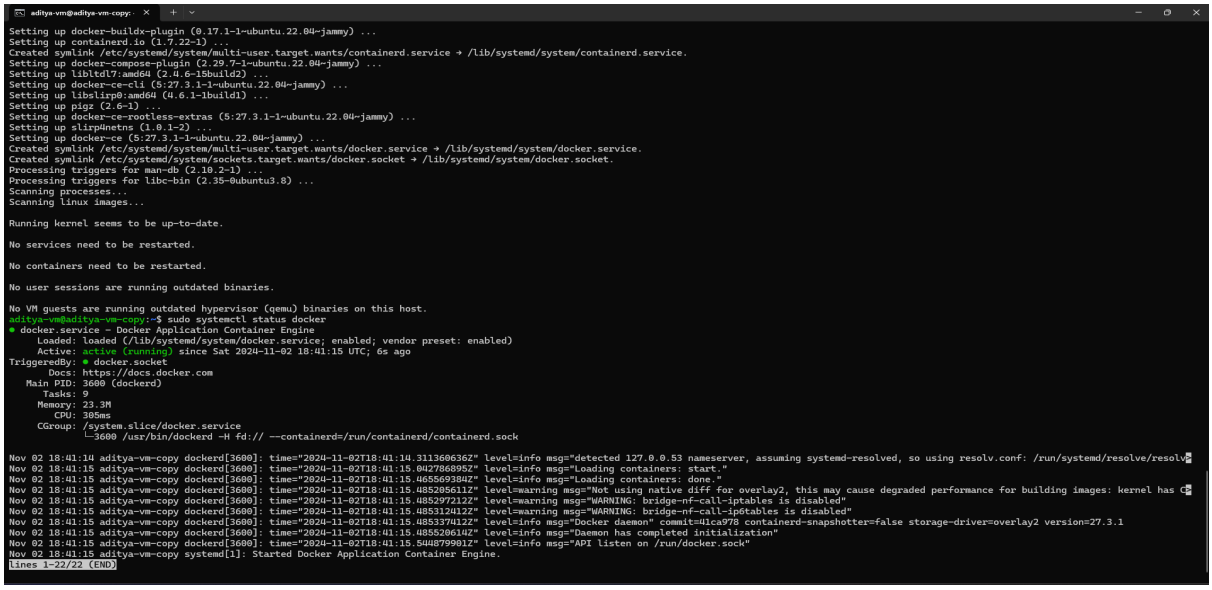
5. Now for the Bonus Points:
   Let's deploy it on Azure Cloud after creating a Virtual Machine



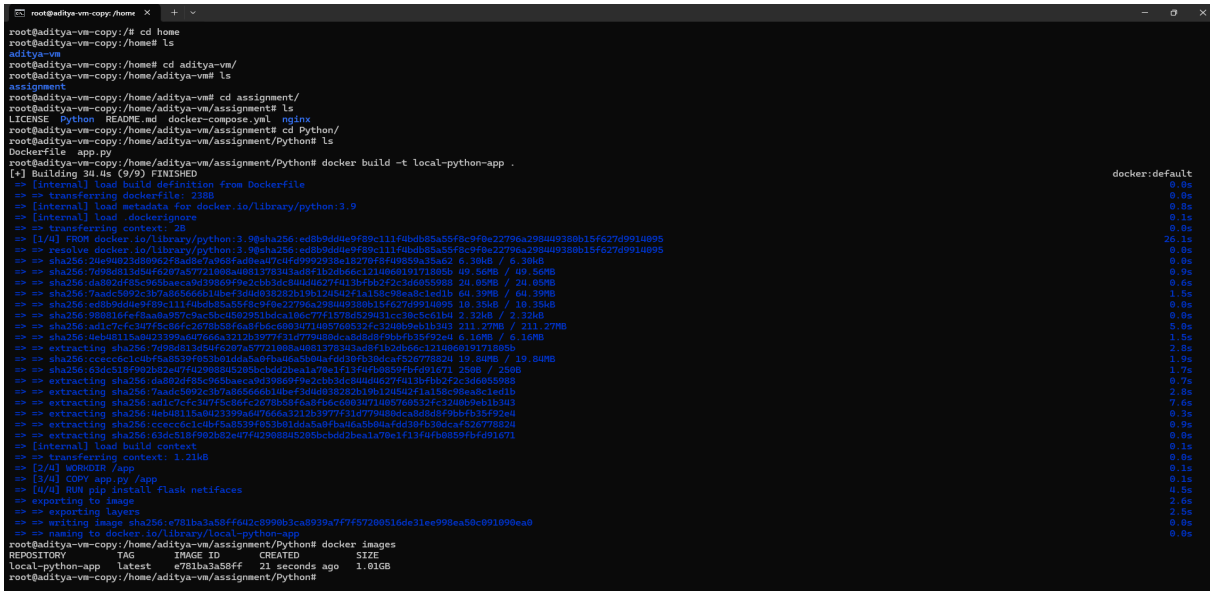
6. Now we will access the SSH on cmd by the following command
   ssh [user_name]@[Public-IP]:



7. Now we follow the same set of instructions on Virtual Machine
    a. Install Docker
    b. Install Docker Compose

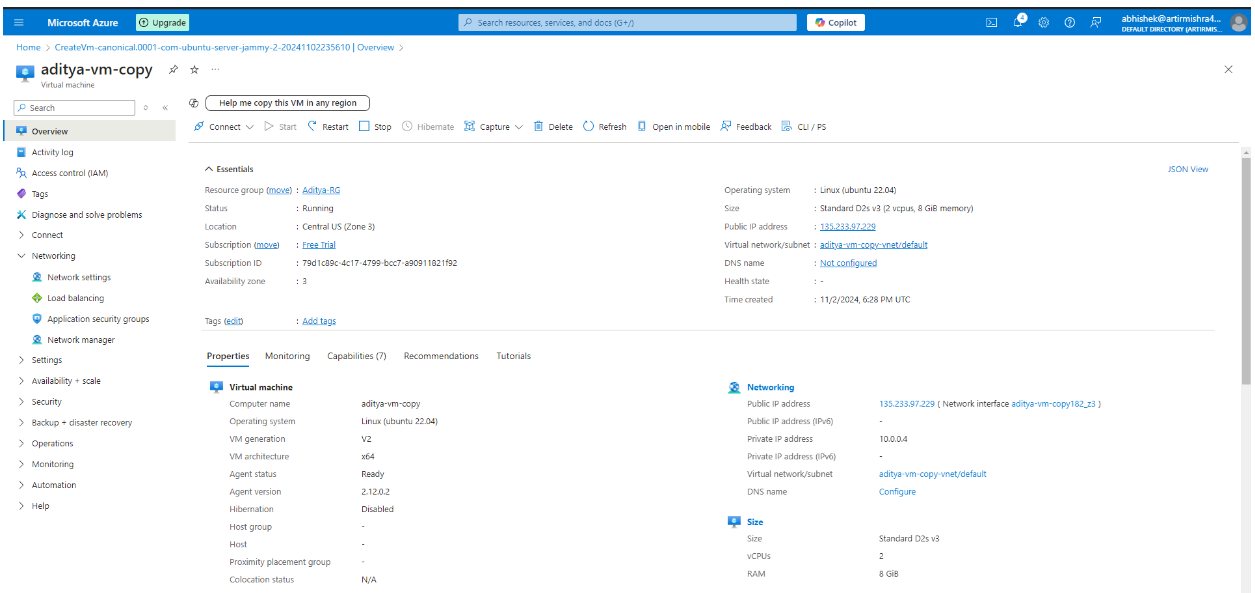


8. Now we git clone the repo and the problem I faced was that I was not able to access the Private repo, So for that I created a repo which was Public and then deployed it on V.M



9. Docker Images created of both the nginx and Python app

10. We deployed it on Virtual Machine and generated the Public IP and Hit it directly on the server.



11. Final Result:

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12. Attaching the screenshot of the commands used for the process: