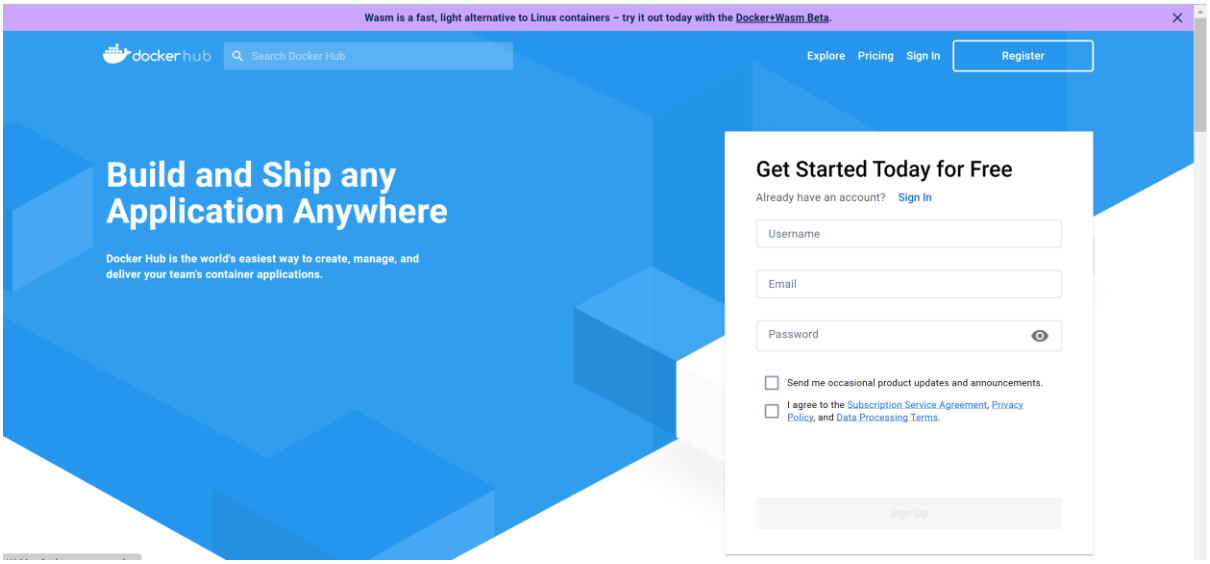
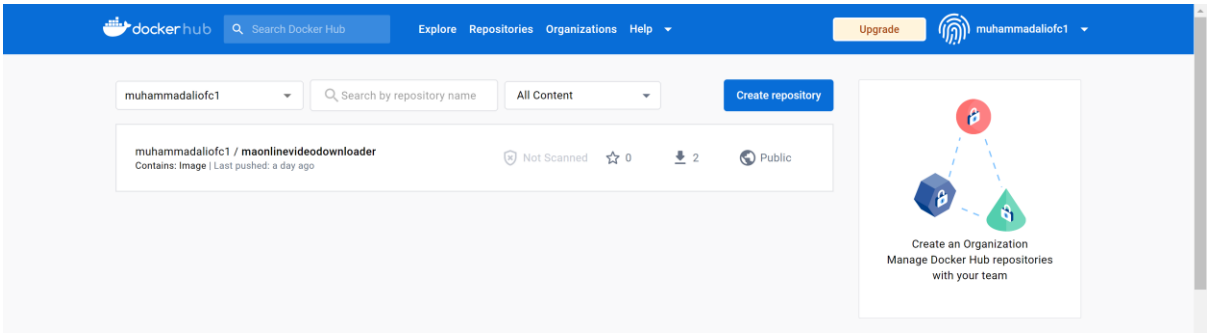
1. First, go to Docker Hub website and create your account (If not already created)

   https://hub.docker.com/



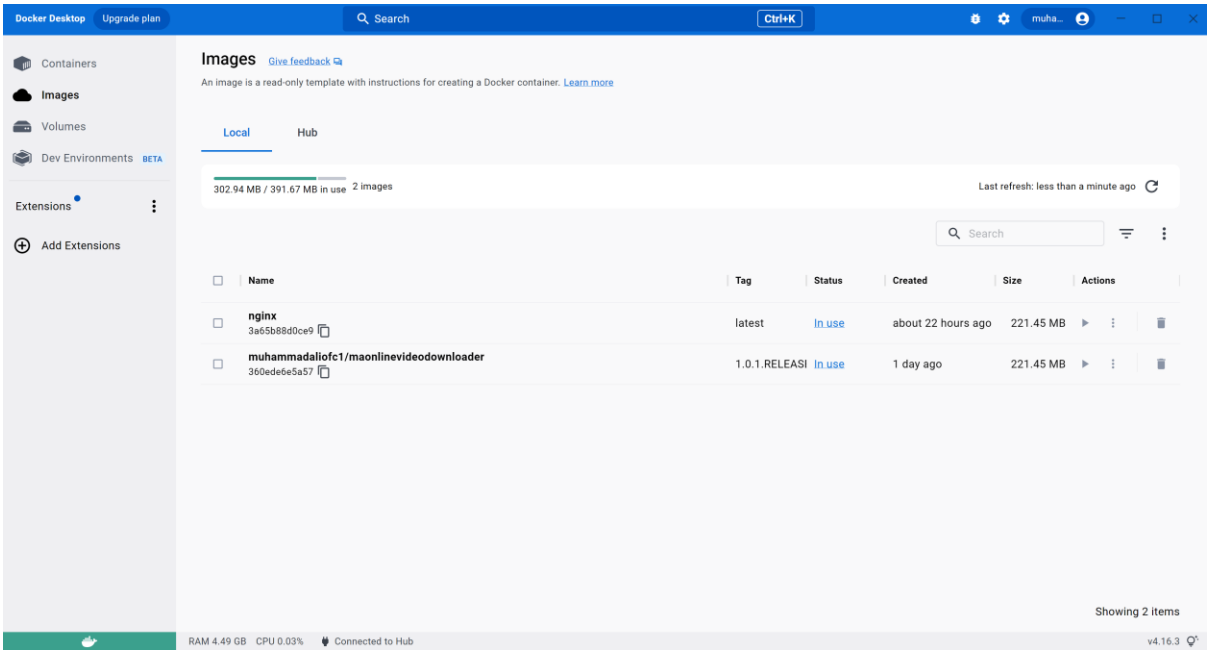




2. After creating account on Docker Hub, please download and install Docker Desktop software on your machine.

   https://www.docker.com/products/docker-desktop/

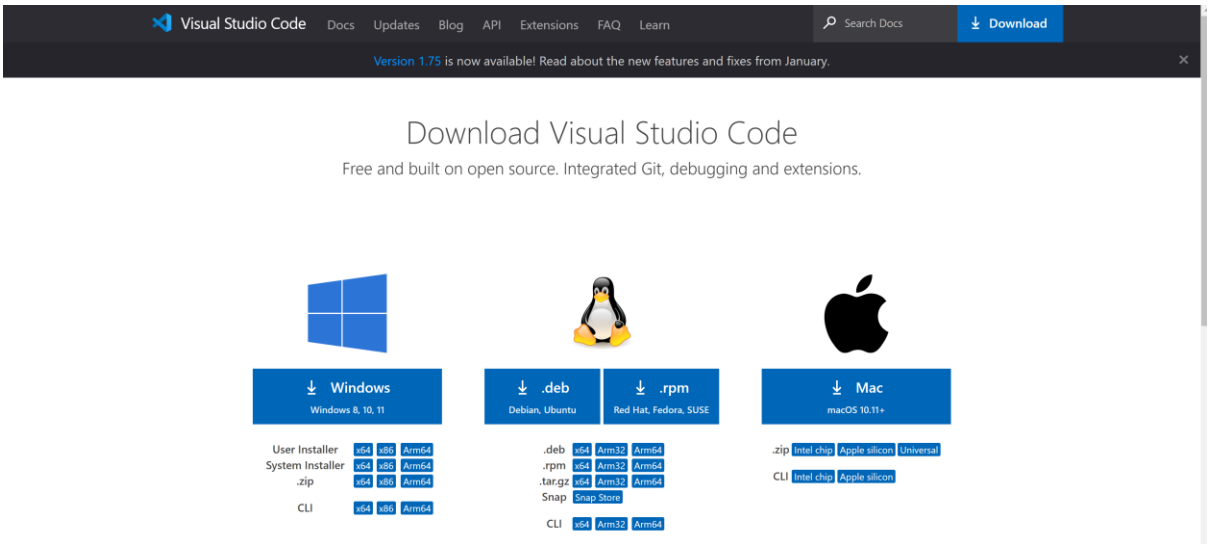
3. After installing Docker Desktop software, please run it and login into Docker Desktop using your account credentials created on Docker Hub.

4. After login into Docker Desktop, it will appear like this, and all your Docker Images will appear here.




5. Download and Install Visual Studio Code (Windows Version) software from below URL.

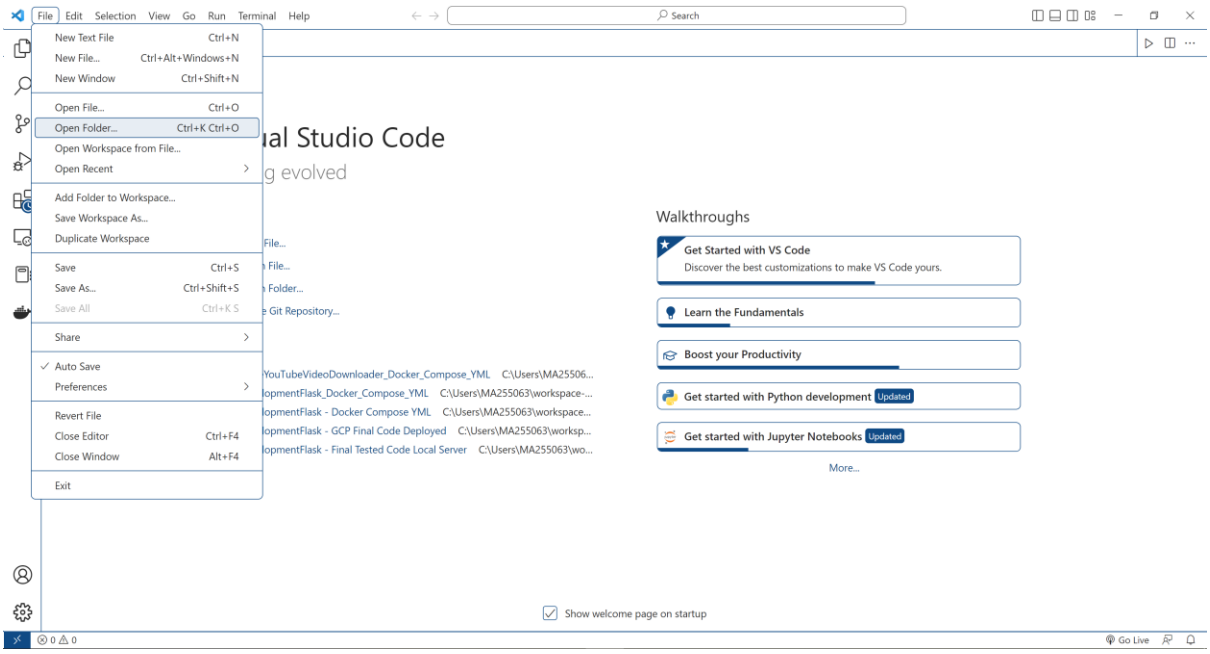
   https://code.visualstudio.com/download

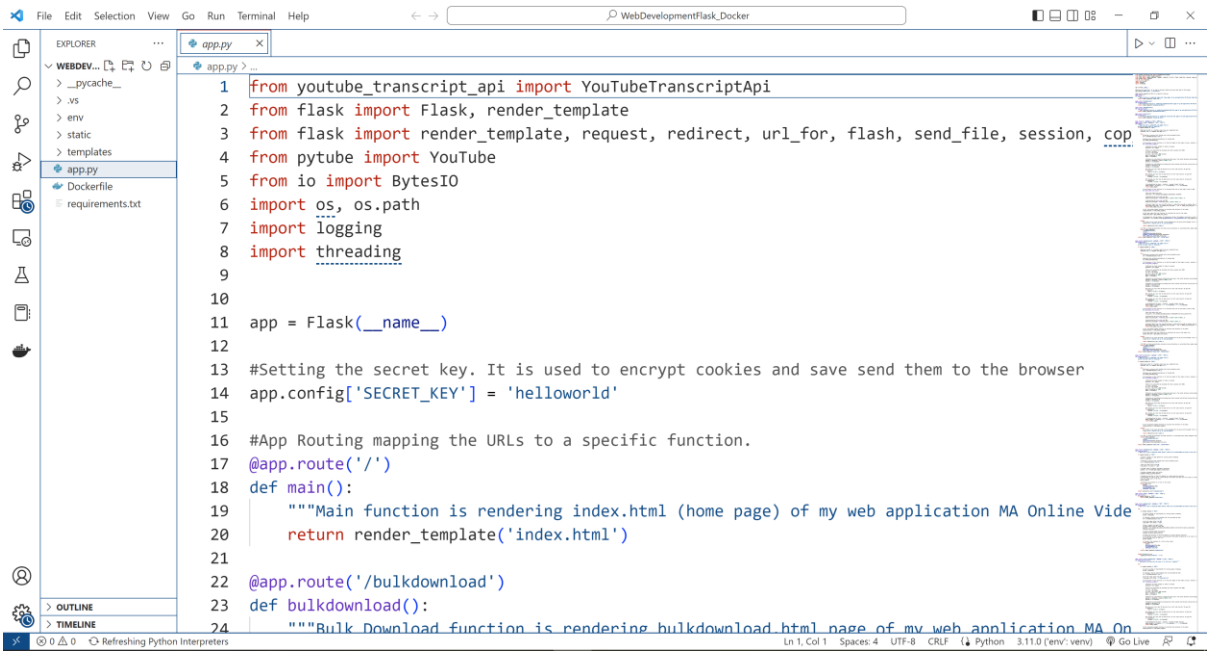


6. Download **MAOnlineYouTubeVideoDownloader_Docker** folder from below GitHub repository and place it in VS Code workspace.

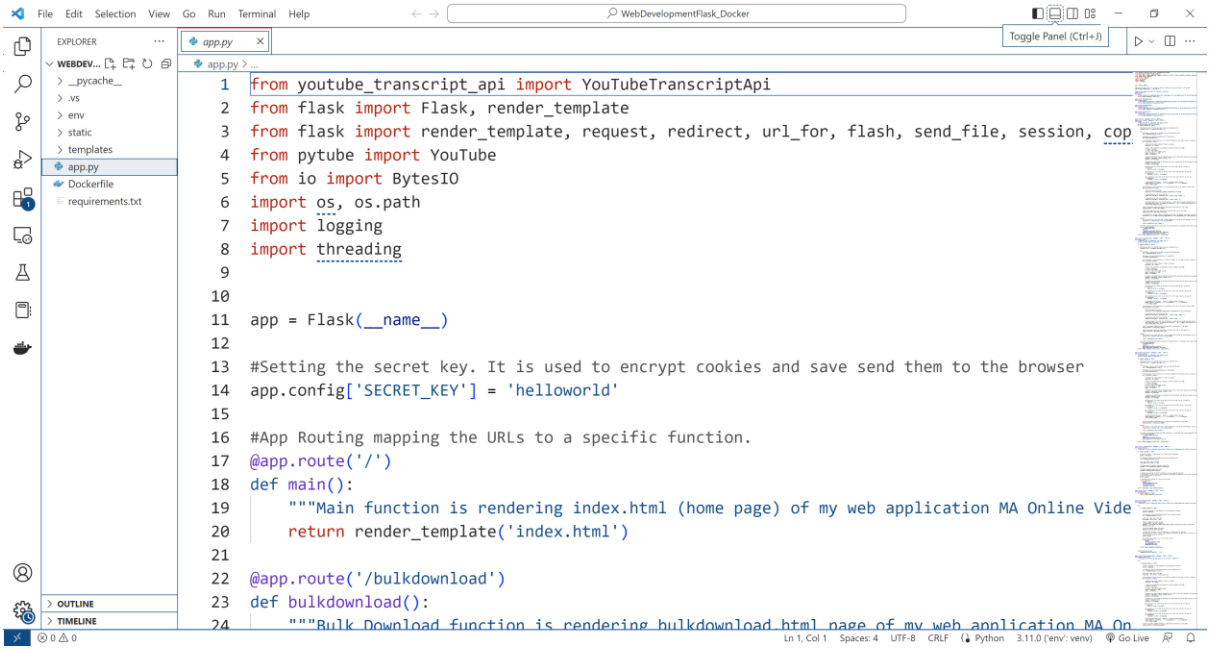
   https://github.com/ma-muhammadali/pse_MAOnlineYouTubeVideoDownloader_Docker.git

7. Open **MAOnlineYouTubeVideoDownloader_Docker** in VS Code

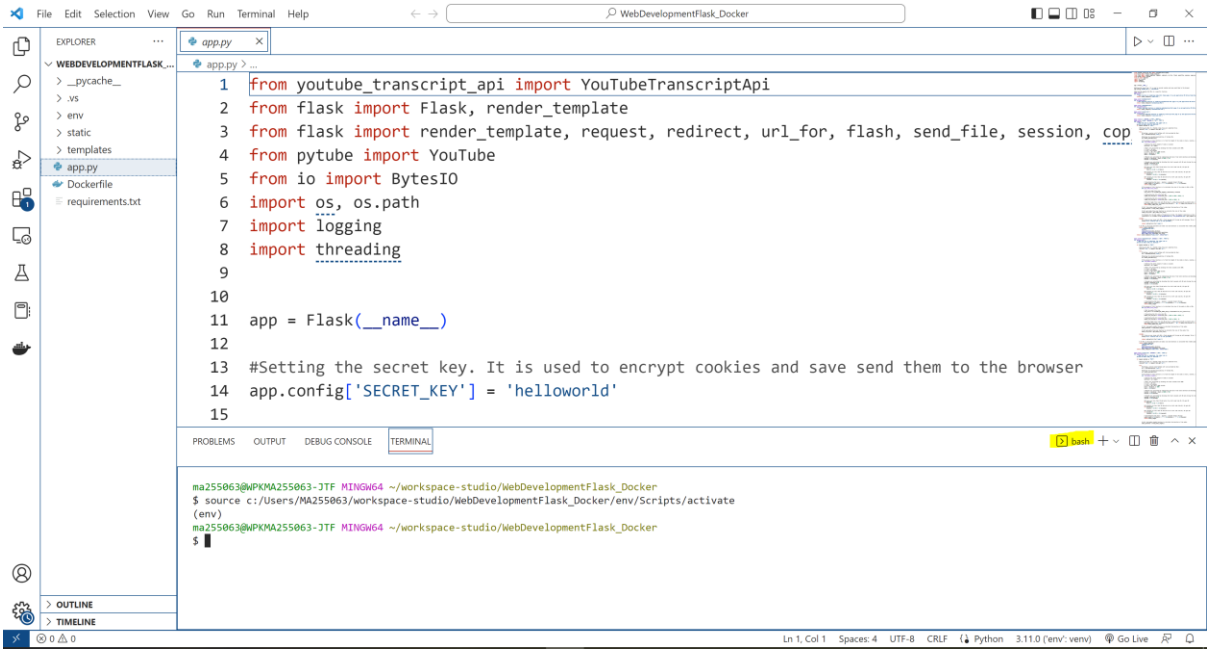


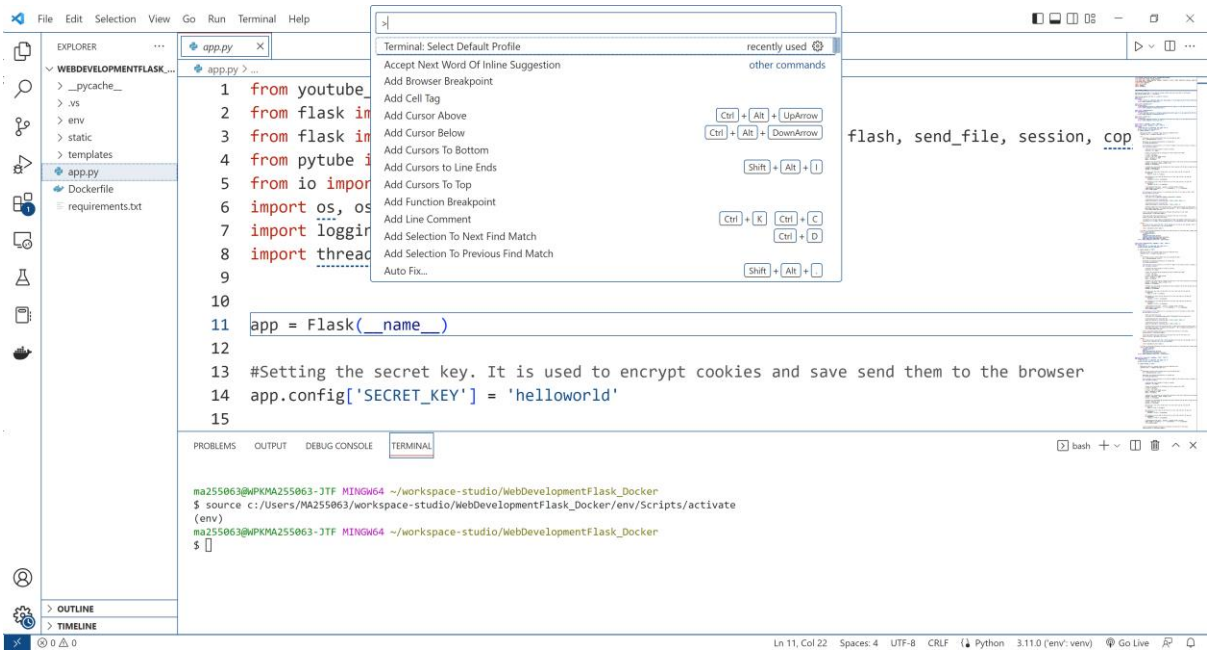
8. Click on Toggle Panel to display the Terminal.



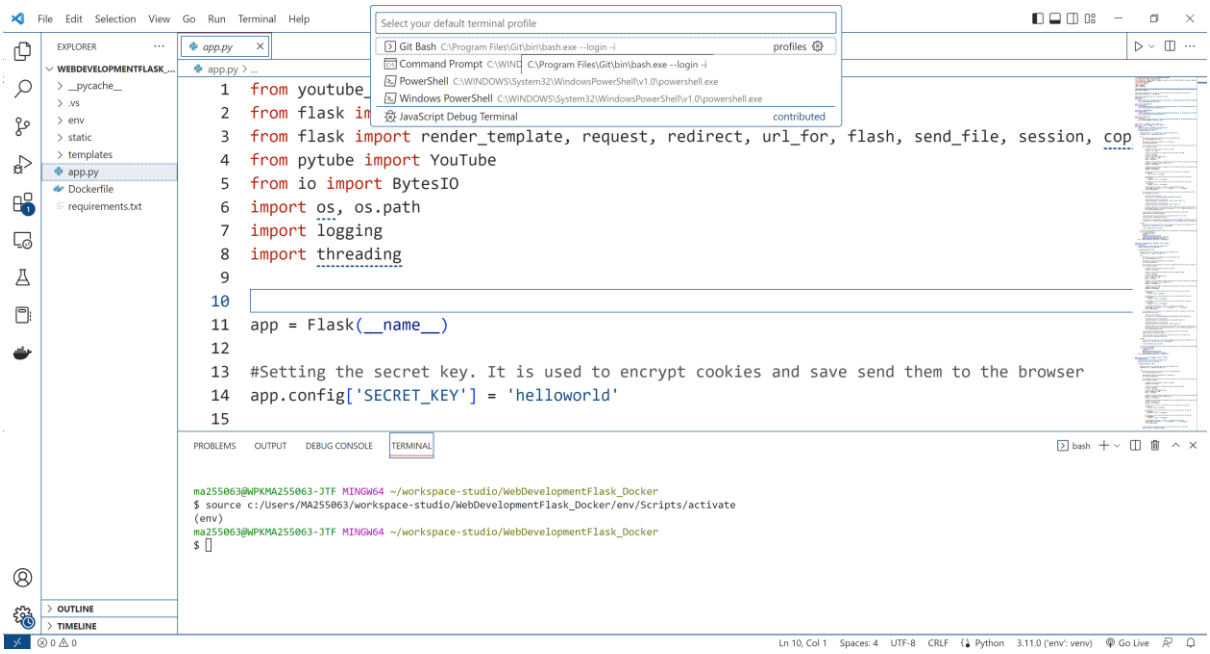

9. When Terminal opens, please make sure that it is set to **Bash** command.



10. If it is not set to Bash command, please press CTRL + SHIFT + P and click on Terminal: Select Default Profile.

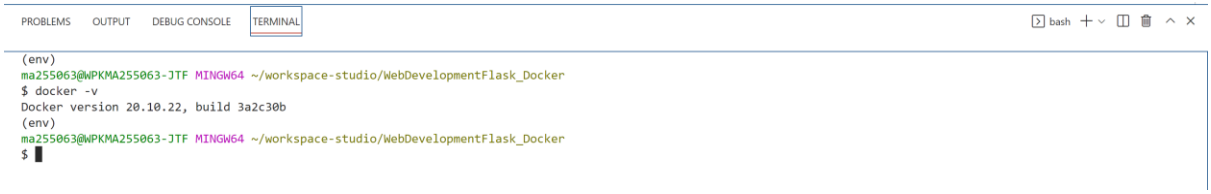



11. Choose Git Bash and Terminal will be set as Bash.

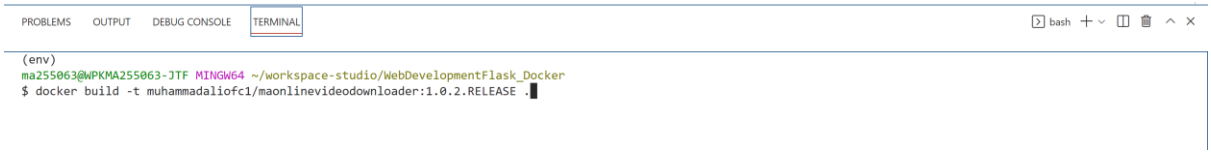


12. After selecting the Terminal as Bash, check the version of docker by running below command.

    $ docker -v




13. Now we will create Docker Image by running below command.

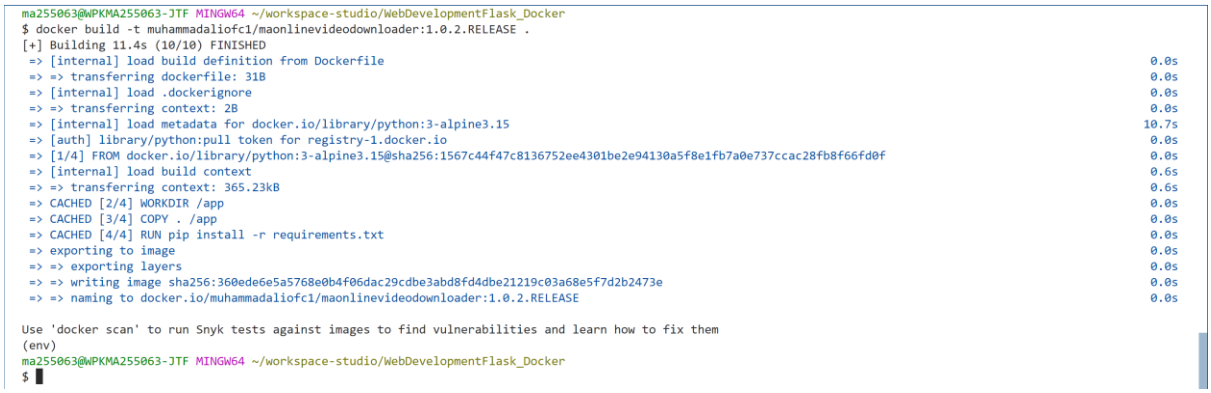


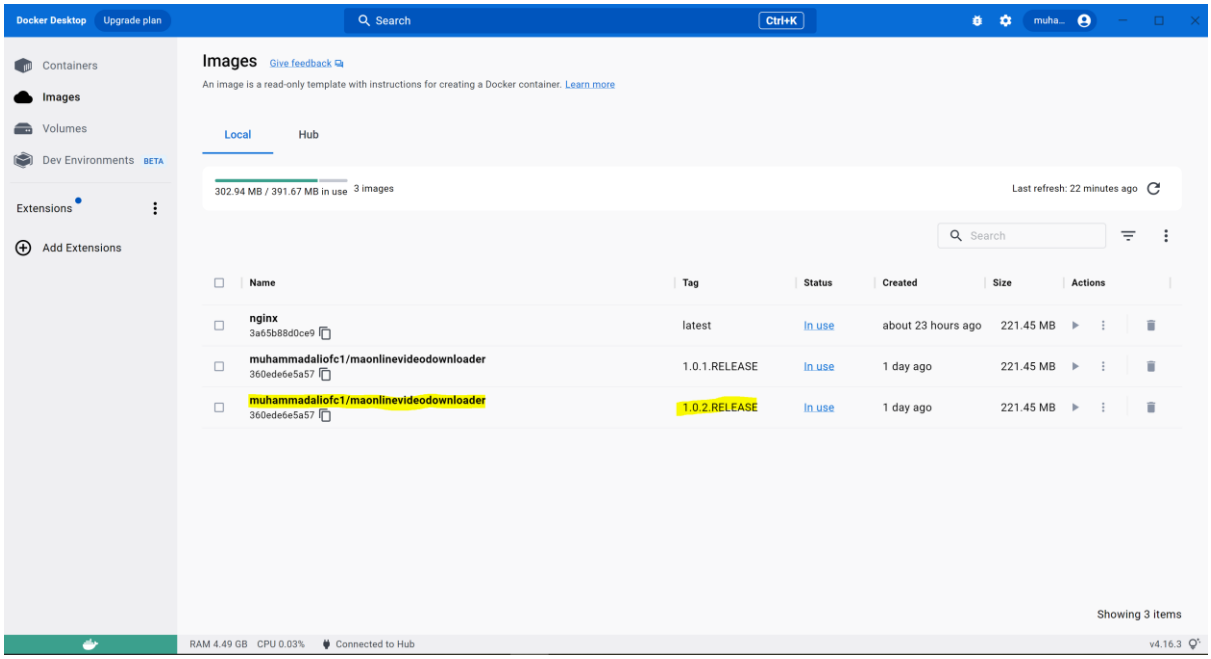

    docker build -t muhammadaliofc1/maonlinevideodownloader:1.0.2.RELEASE .

    In this command, we will build a Docker image

    - **muhammadaliofc1/maonlinevideodownloader** is the name of the image
    - **1.0.2.RELEASE** is the release number of this image

14. As you can see, Docker Image is created successfully and same is reflecting in Docker Desktop as well.



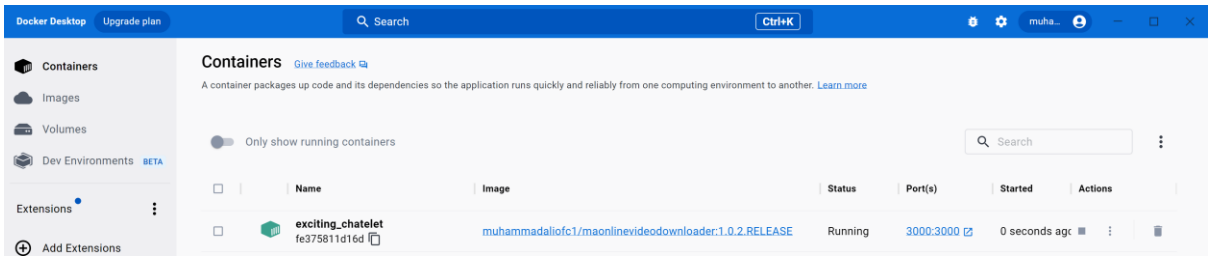


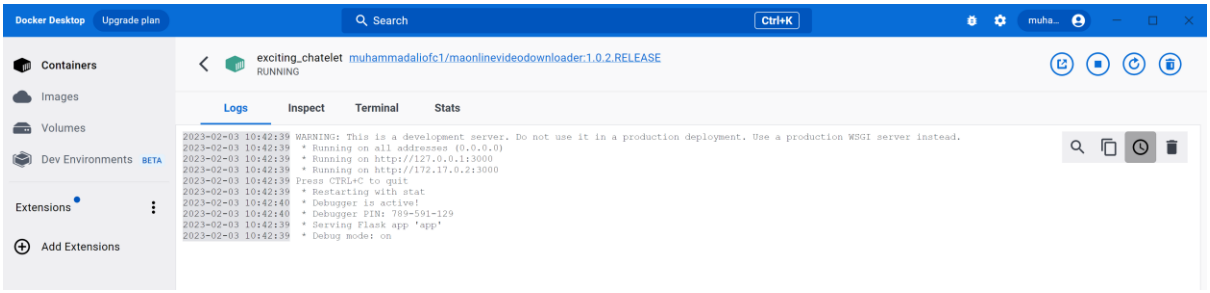

15. There are two methods to run this image as container.

16. First method is to run below command and start the Container


$ docker container run -d -p 3000:3000 muhammadaliofc1/maonlinevideodownloader:1.0.2.RELEASE

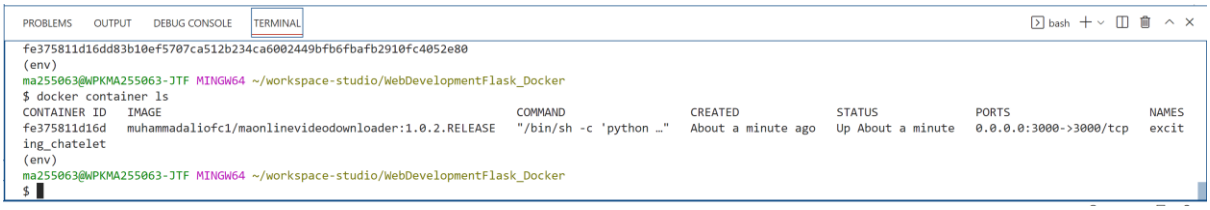
Here we are binding the host port with container port. Since we have exposed Port:3000 so we need to mention same in above command



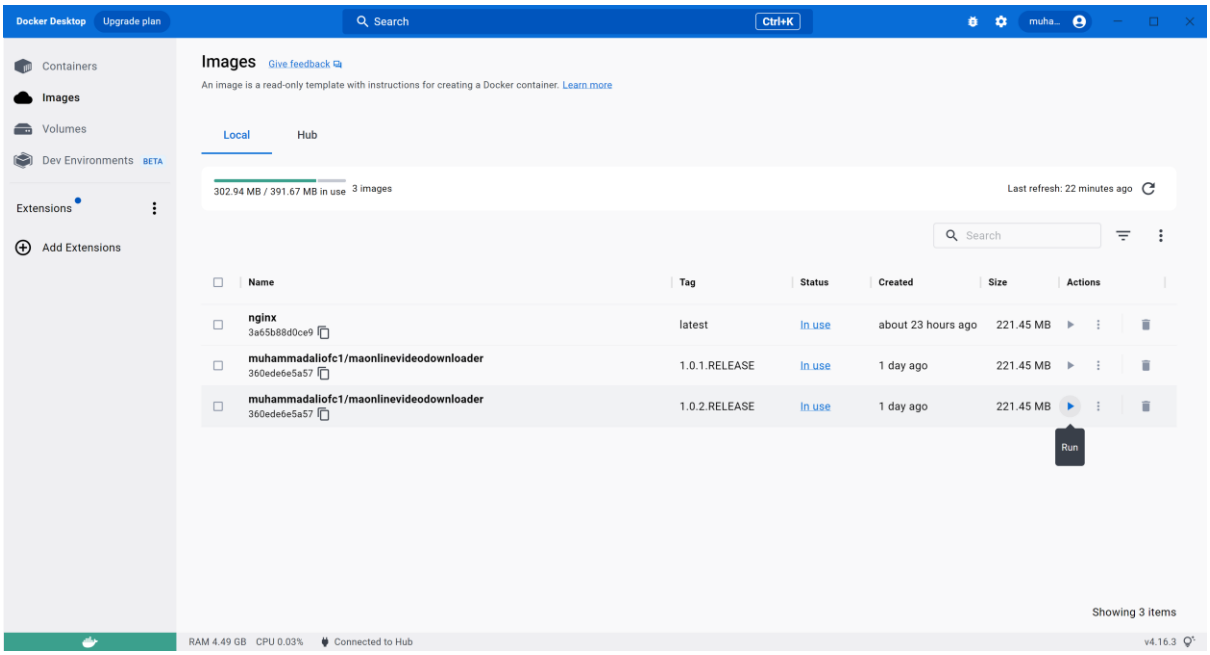



17. You can also check the status of Container by running below command

    $ docker container ls

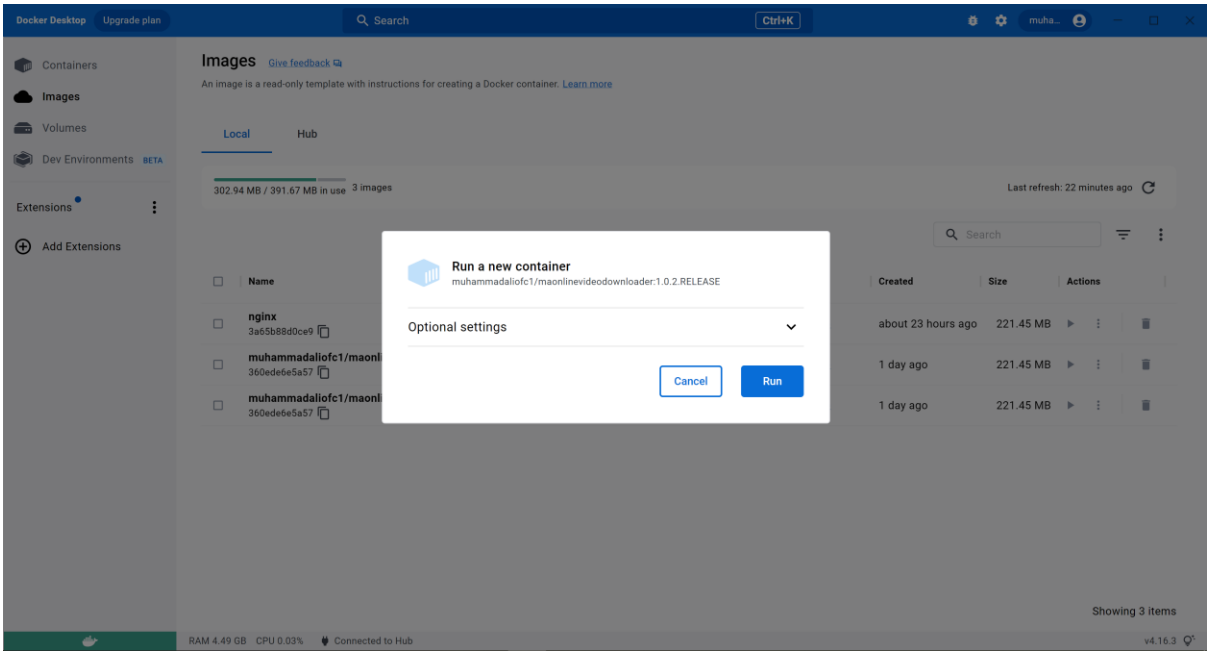


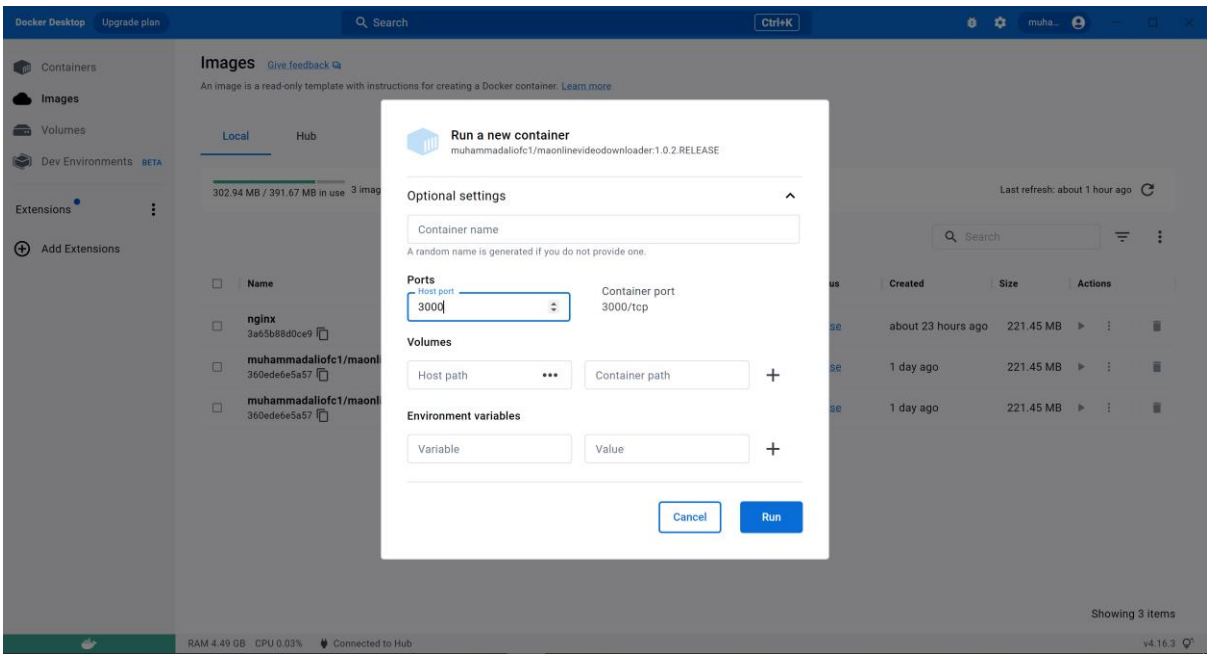

18. Second method is to click the **Run** button which is available in the front of this Docker Image.



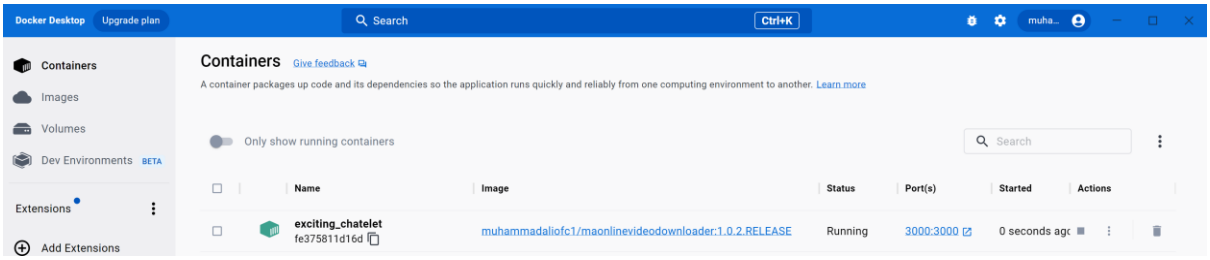

19. A dialog box will appear. Click on Optional settings.

20. Select **Host port: 3000** and hit Run button.



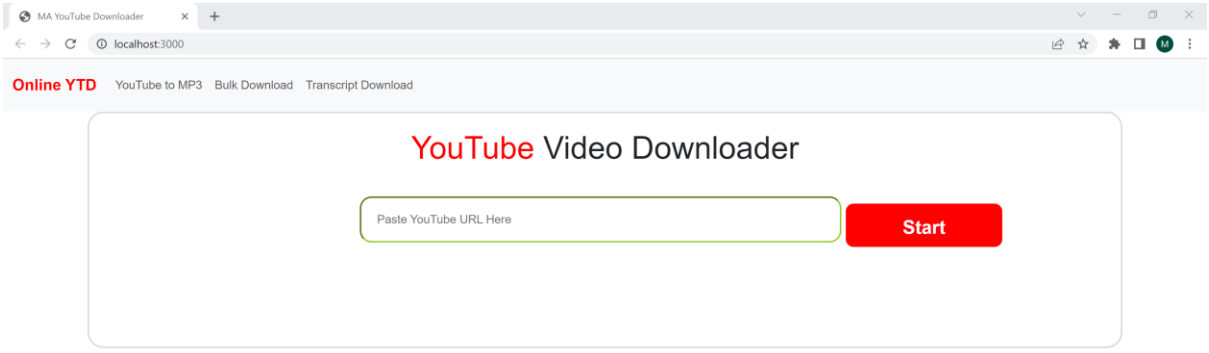

21. The container will start running and same will appear in Docker Desktop Containers tab.

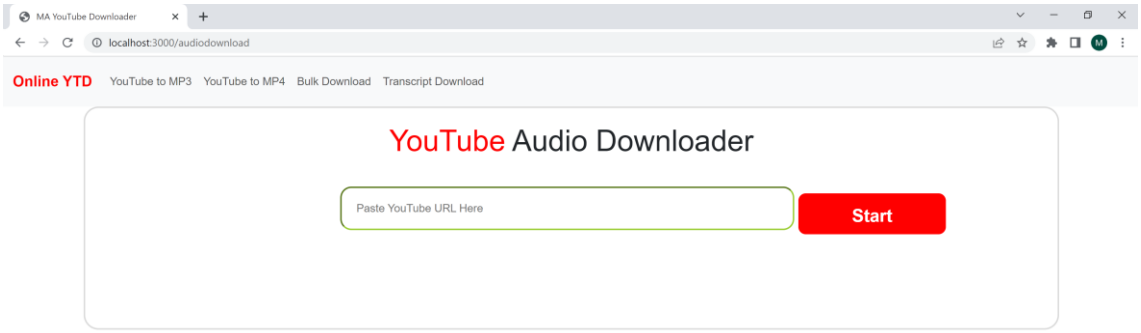


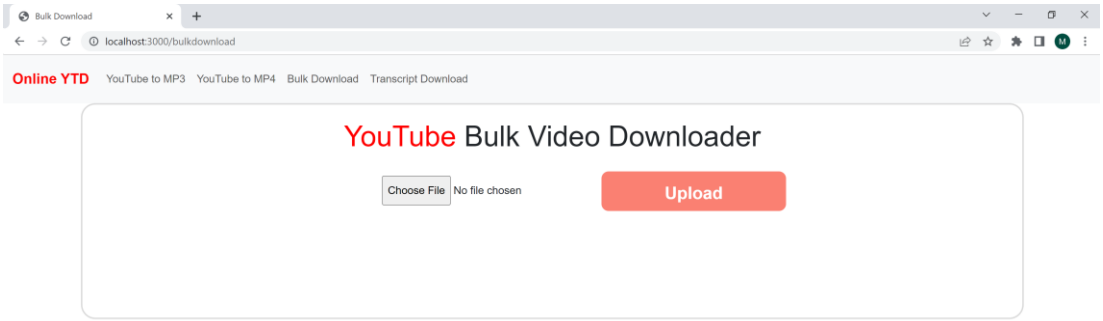
22. As you can see, this Docker Image is running as Container.

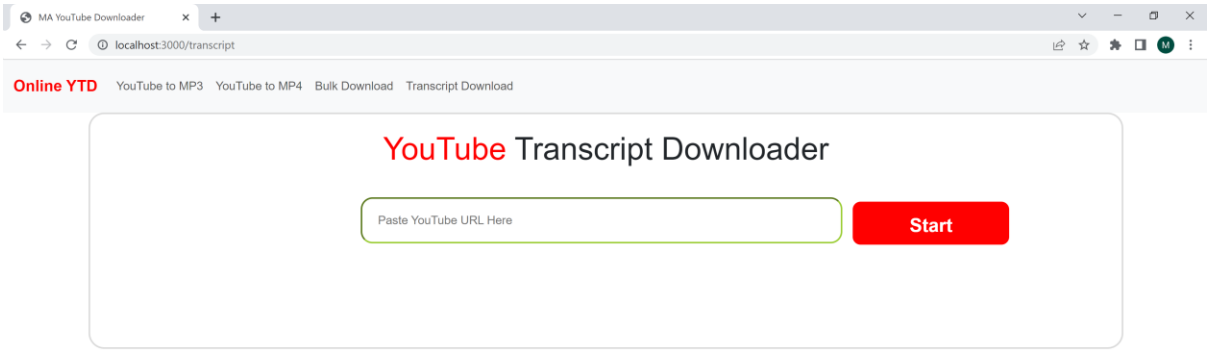

23. To access the **MA Online YouTube Video Downloader** web app just hit below URL.

    http://localhost:3000/






24. Please follow the "**How to use MA Online YouTube Video Downloader**" to download Video/Audio/Transcript from YouTube.