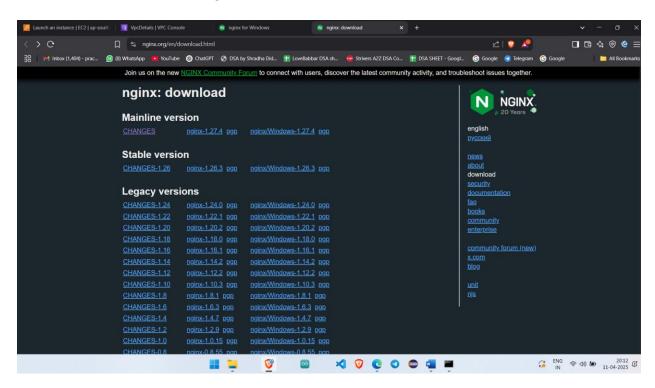
Assignment 9

<u>Title</u>: Deploy static website using Dockers

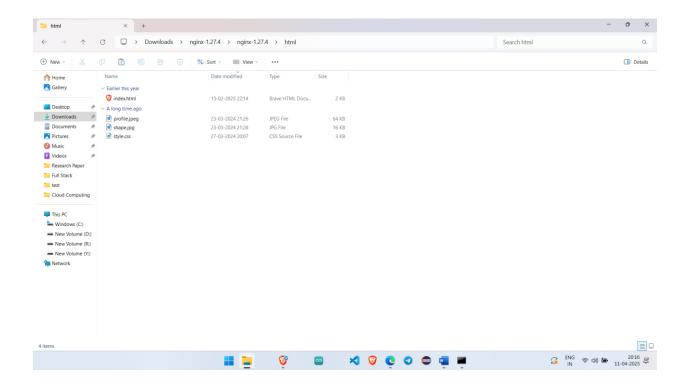
Implementation:

1. Download and load nginx

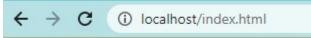




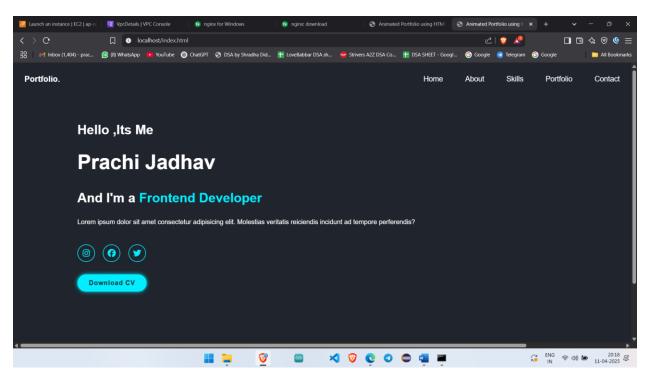
2. Put the sample website in the html folder of nginx



Open local host



Website will be visible on nginx



3. Install Docker and check vision

Command Prompt

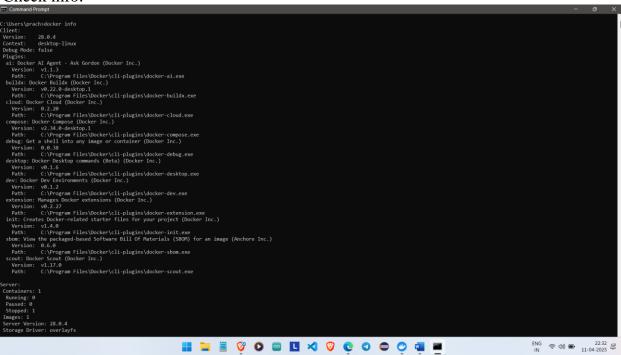
Microsoft Windows [Version 10.0.26100.2894]

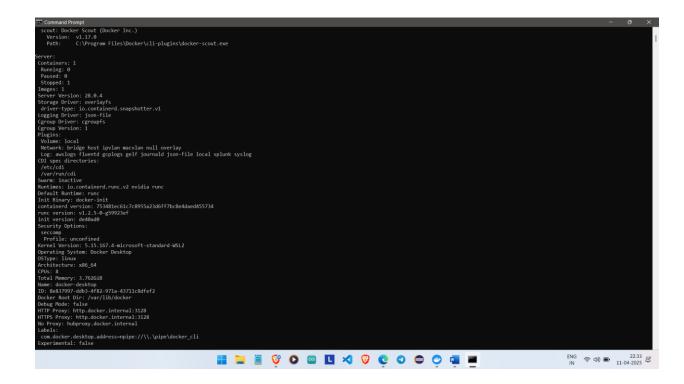
(c) Microsoft Corporation. All rights reserved.

C:\Users\prach>docker -v

Docker version 28.0.4, build b8034c0

Check info:

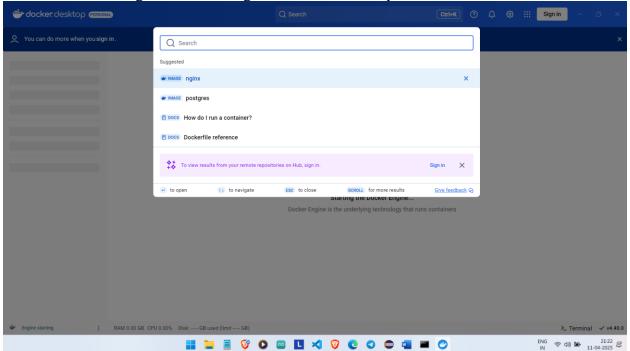




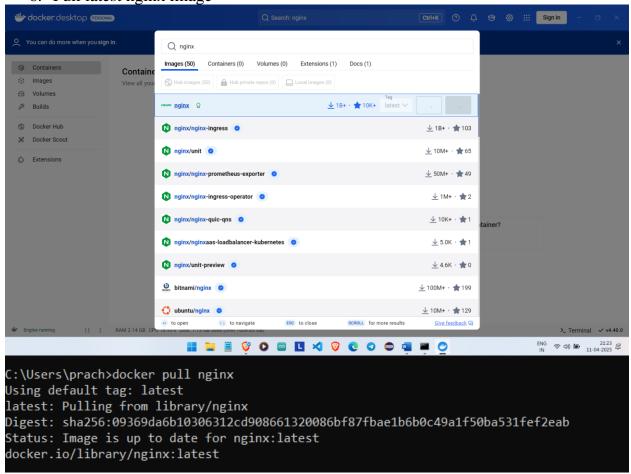
4. Convert the Docker info into json format

[:Users/prach/docker version --format "([son])" ["Cilent"("Green'son':"20.42.7", "Os":"windows", "Arch":"amd64", "Buildisme":"lue Nar 25 15:07:48 2025", "Context":"desktop-inuc"), "Server"("Platform":("Maee":"Docker Desktop 4.40.0 (187762)"), "Components":("Platform":("Maee":"Gitcomit":"Gestroper'son':"1.48", "Arch":"amd64", "Buildisme":"Tue Nar 25 15:07:22 2025", "Expension':"1.48", "Gitcomit":"Glatform":("Maee":"Glatform":("Maee":"Glatform":("Maee":"Glatform":"Jana", "Arch":"Jana", "Arch":"Jana", "Arch":"Jana", "Arch":"Jana":"Jana", "Arch":"Jana":"Jana", "Arch":"Jana

5. Search for nginx server image on Docker desktop



6. Pull latest nginx image



Check images

C:\Users\prach>docker images				
REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
nginx	latest	09369da6b103	2 months ago	279MB

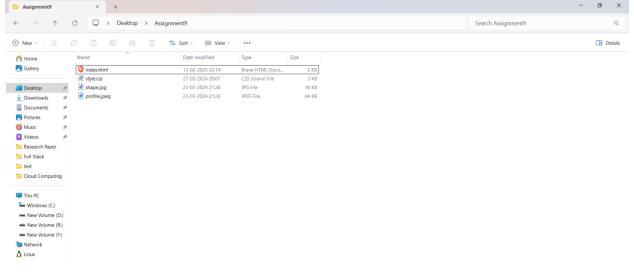
Docker ps

```
C:\Users\prach\Desktop\Assignment9>docker run -d -p 8001:80 -v C:\Users\prach\Desktop\Assignment9:/usr/share/nginx/html --name assignment7 nginx 40e6d32672243d26f14eb45ad0ea82222b759c95f28a71453b6b1853761fe04d

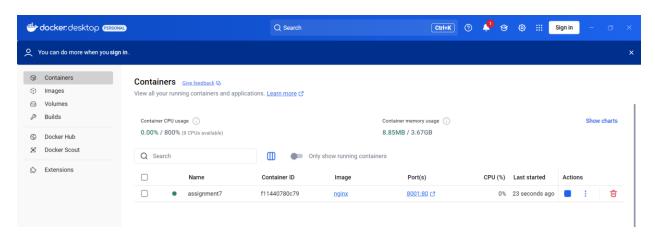
C:\Users\prach\Desktop\Assignment9>docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES 40e6d3267224 nginx "/docker-entrypoint..." About a minute ago Up About a minute 0.0.0.0:8001->80/tcp assignment7

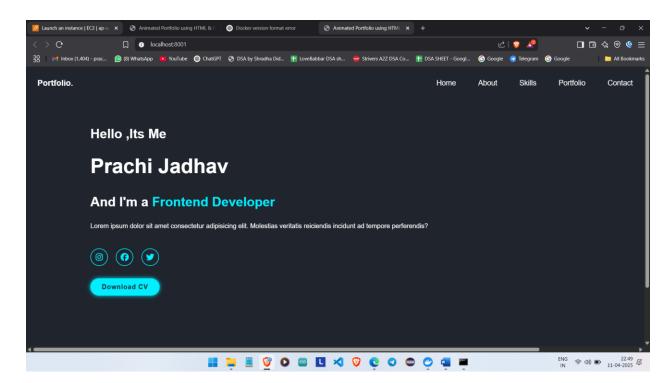
C:\Users\prach\Desktop\Assignment9>docker exec -it assignment7 /bin/bash root@40e6d3267224:/# ls /usr/share/nginx/html index.html profile.jpeg shape.jpg style.css root@40e6d3267224:/#
```

Folder of sample website



7. Open the container in docker desktop





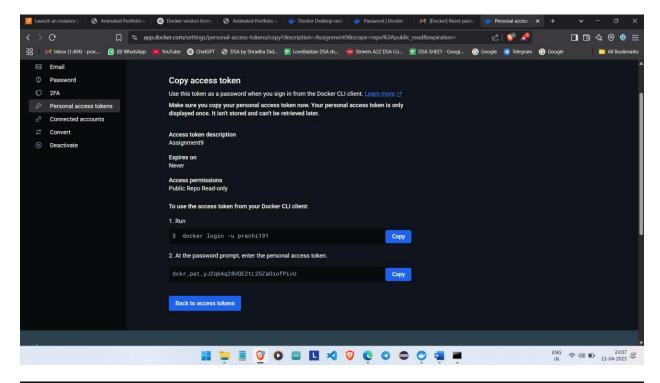
Creating a Docker file with the following contents: FROM nginx: latest COPY ./Assignment9//usr/share/nginx/html/ EXPOSE 80 Building the Docker file

Check Docker images

```
C:\Users\prach\Desktop>docker images
REPOSITORY
                 TAG
                           IMAGE ID
                                           CREATED
                                                             SIZE
my-nginx-image
                 latest
                           5771b6a92022
                                           45 seconds ago
                                                             279MB
                 latest
                           09369da6b103
                                           2 months ago
                                                             279MB
nginx
```

Pushing image to Dockerhub

Generate personalized access token





Docker tag

Push into the new repo

C:\Users\prach\Desktop>docker tag my-nginx-image varadml/my-nginx-image:latest C:\Users\prach\Desktop>docker images REPOSITORY TAG IMAGE ID CREATED SIZE my-nginx-image latest 5771b6a92022 33 minutes ago 279MB varadml/my-nginx-image latest 5771b6a92022 33 minutes ago 279MB latest 09369da6b103 2 months ago 279MB C:\Users\prach\Desktop>docker push varadml/my-nginx-image:latest The push refers to repository [docker.io/varadml/my-nginx-image] 553c8756fd66: Waiting 3dce86e3b082: Waiting e81a6b82cf64: Waiting b15e8c1b1884: Waiting 2ff829e20727: Waiting 8a628cdd7ccc: Waiting 75b642592991: Waiting 10fe6d2248e3: Waiting

Result:

Check the repo

