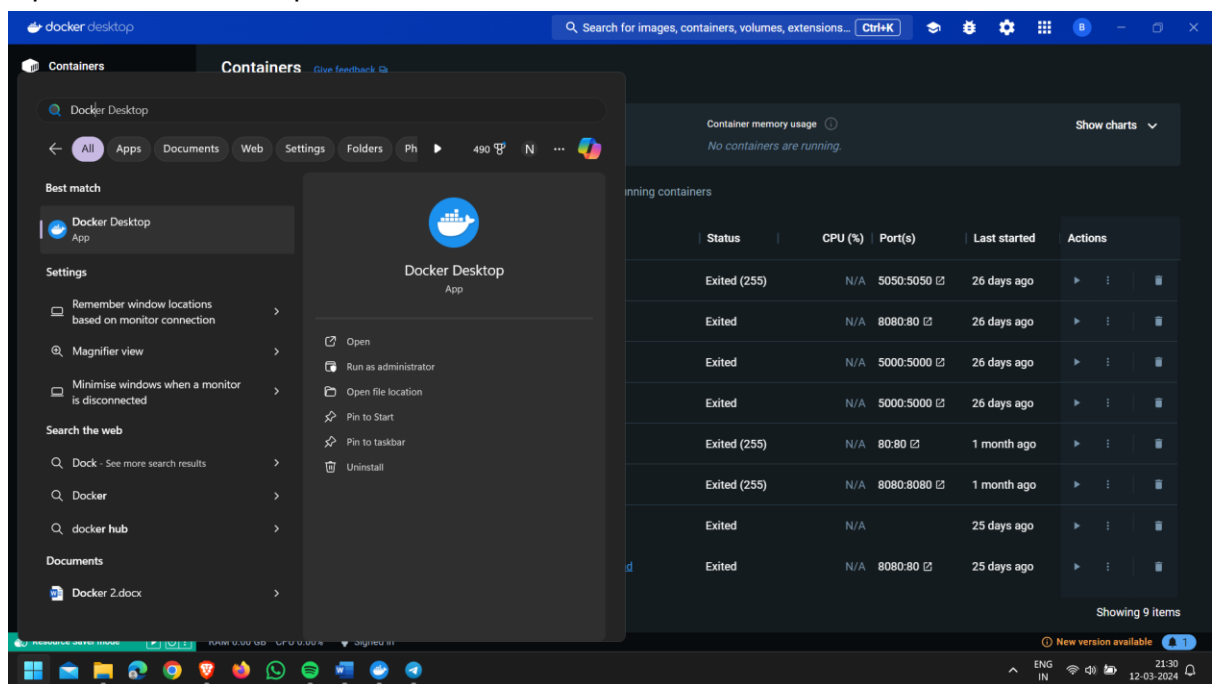


2100032449

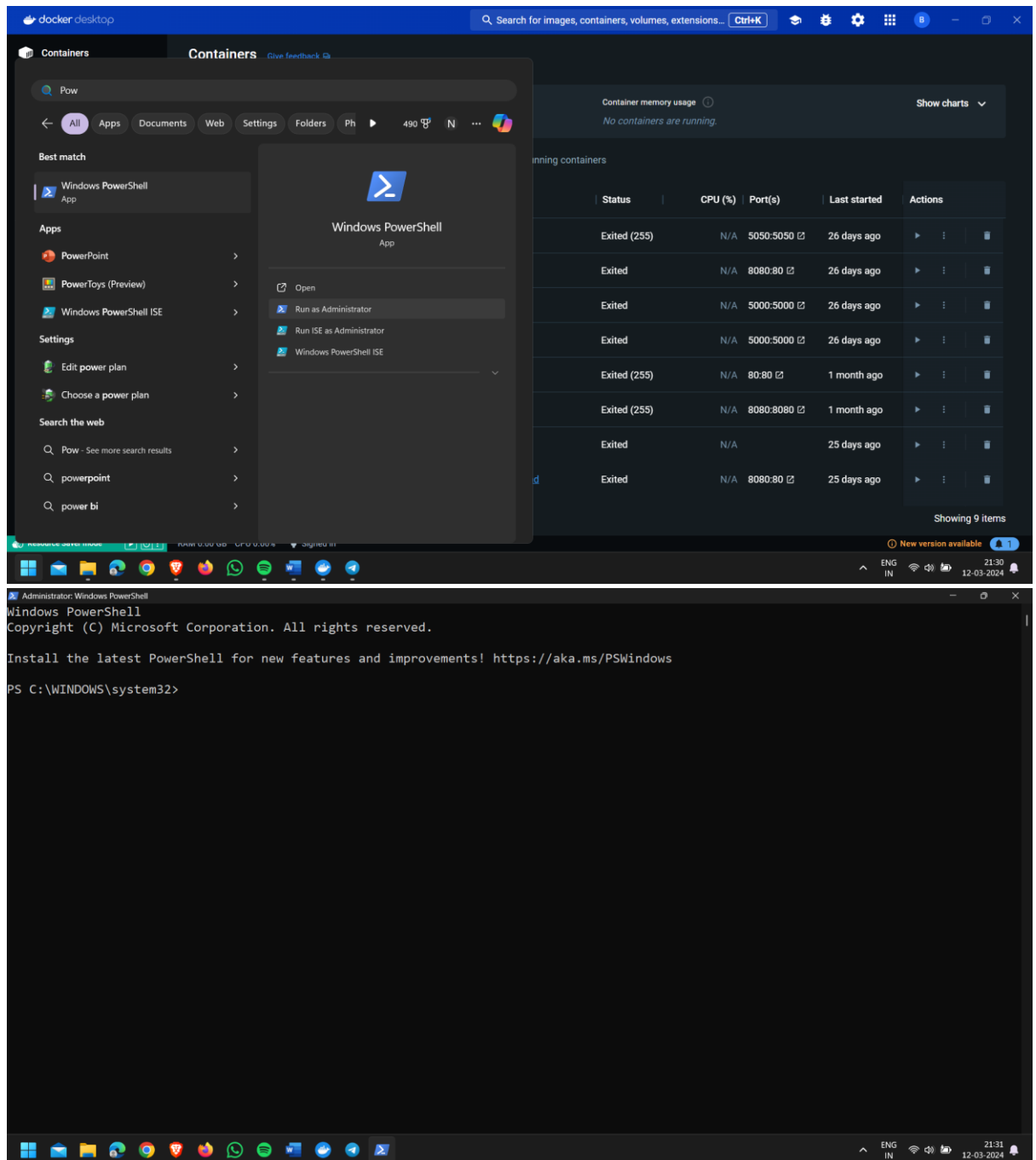
N. Bhanu Satya Venkatachalam

3. Explore Docker Hub for images that will run a website and get them into your development environment and practice

1. Open Docker Desktop



2. Now Open Powershell in Administrator Mode

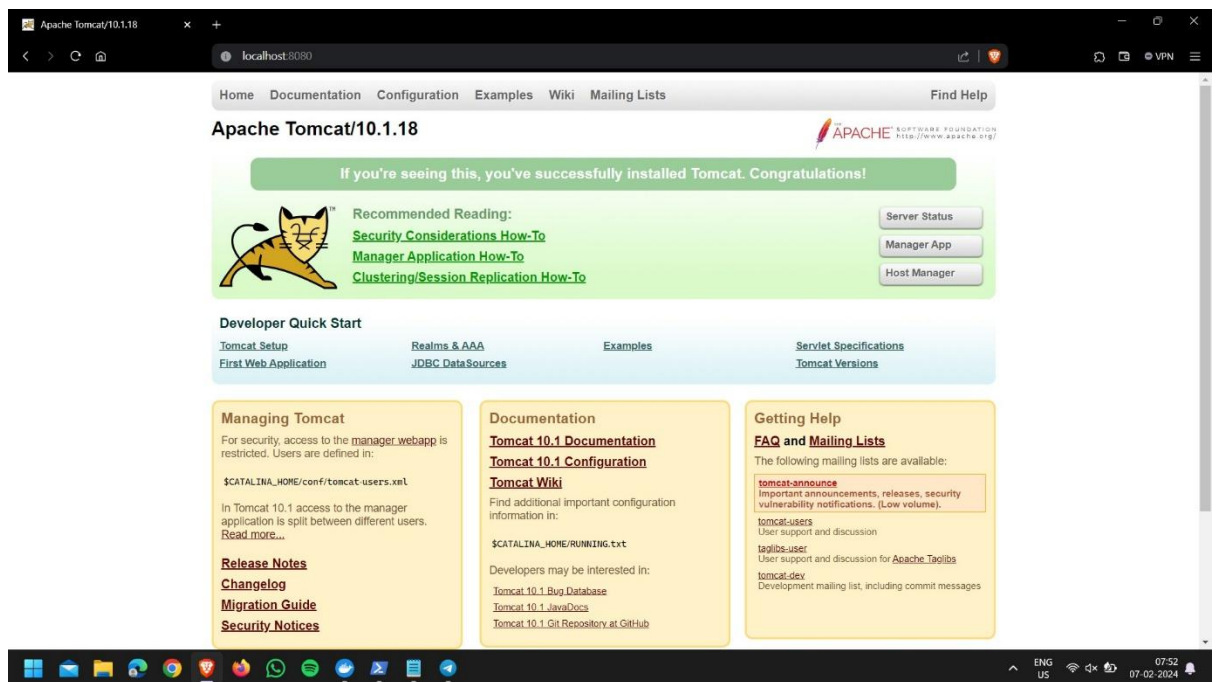


3. Now to check info use following command
docker info - Displays system wide information about Docker.
4. **docker ps**: Lists the runnin' Docker containers.
5. To pull an Image we can use following Command
docker pull <image_name>
for example for tomcat image
6. To run a pulled image
Use command **docker run -d -p 8080:8080 --name <image_name>**

```
root@5c1e769cbf9d:/usr/local/tomcat
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\WINDOWS\system32> docker run -d -p 8080:8080 --name my-tomcat-container tomcat:latest
Unable to find image 'tomcat:latest' locally
latest: Pulling from library/tomcat
b1bd5f451a94: Pull complete
26c11c45681a: Pull complete
98e5157897e9: Pull complete
daf2af0ceb31: Pull complete
9869ee62a4b7: Pull complete
8c196050ae39: Pull complete
a2c1e994a1a0: Pull complete
3738cbd2ee8d: Pull complete
Digest: sha256:5e95c2e2b75387025bfc0da1e421079ac2b84378efeb70d0b2d54e4fae5832b4
Status: Downloaded newer image for tomcat:latest
5c1e769cbf9d8aeb0f735ba2de79cd3b9fd57b493d1726b4f9b34d9dd909238
PS C:\WINDOWS\system32> docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS                    NAMES
5c1e769cbf9d   tomcat:latest   "catalina.sh run"        18 seconds ago Up 7 seconds    0.0.0.0:8080->8080/tcp   my-tomcat-container
PS C:\WINDOWS\system32> docker exec -it 5c1e769cbf9d /bin/bash
root@5c1e769cbf9d:/usr/local/tomcat# cp -r /usr/local/tomcat/webapps.dist/* /usr/local/tomcat/webapps/
root@5c1e769cbf9d:/usr/local/tomcat#
```



7. To build a container using existing image use following command
docker build t <image_name> . : Builds a Docker image from a Dockerfile in the current directory.
8. To create a nginx container

