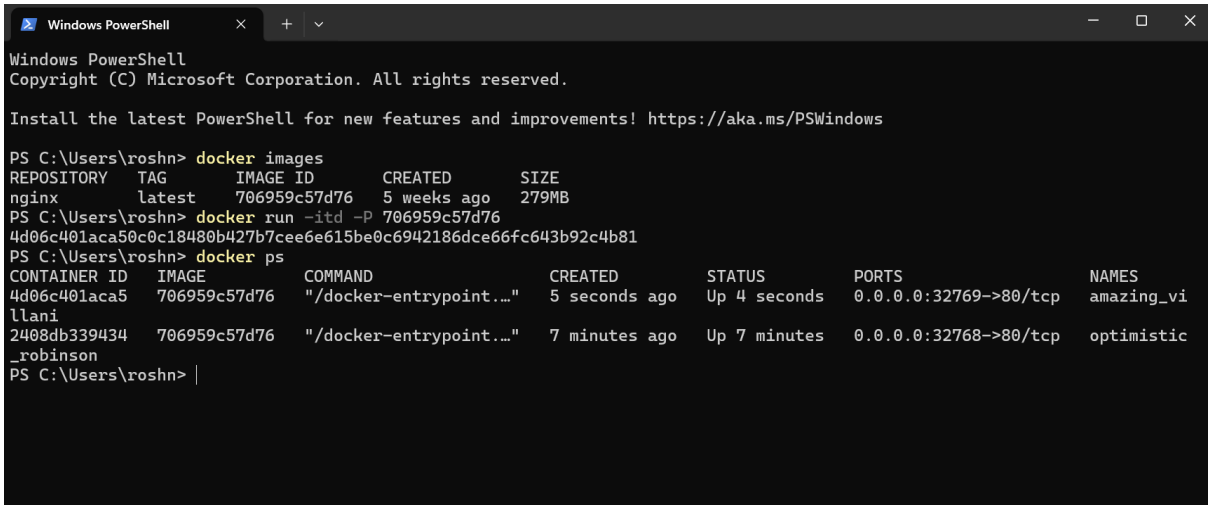
DAY1


localhost:32768
Welcome to nginx!
If you see this page, the nginx web server is successfully installed and working. Further configuration is required.
For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.
Thank you for using nginx.


Windows PowerShell
Windows PowerShell
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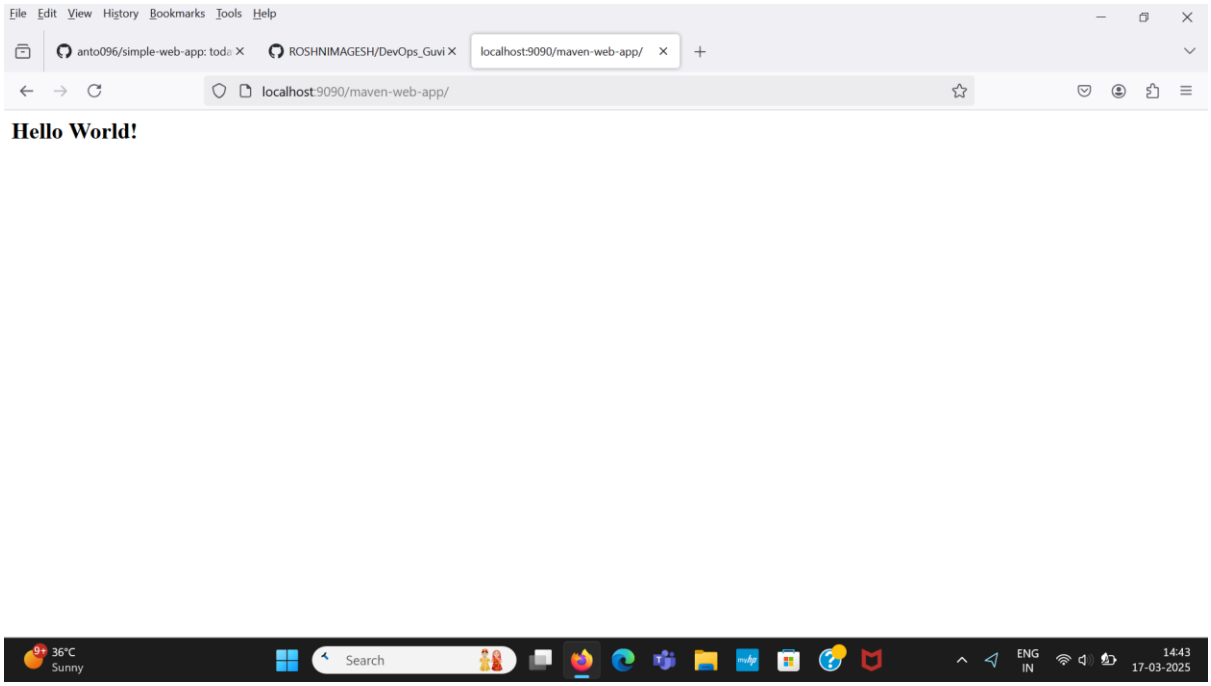
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows
PS C:\Users\roshn> docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
nginx latest 706959c57d76 5 weeks ago 279MB
PS C:\Users\roshn> docker run -itd -P 706959c57d76
4d06c401aca50c0c18480b427b7cee6e615be0c6942186dce66fc643b92c4b81
PS C:\Users\roshn> docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
4d06c401aca5 706959c57d76 "/docker-entrypoint.…" 5 seconds ago Up 4 seconds 0.0.0.0:32769->80/tcp amazing_villani
2408db339434 706959c57d76 "/docker-entrypoint.…" 7 minutes ago Up 7 minutes 0.0.0.0:32768->80/tcp optimistic_robinson
PS C:\Users\roshn>



Docker is a platform that provides virtual containers on which an application can be deployed independent of the underlying OS of the server. Further the container can be created from a replica called docker image which contains all the dependencies and can run on any OS that has docker engine, with similar results.

VIRTUALIZATION:

Virtualization is the process of sharing hardware resources across several virtually isolated and mutually independent systems. It is achieved by using a hypervisor which acts as a bridge between the Operating System of each of the virtual machines and the underlying hardware.

Applications in virtual environments run on a host operating system on top of the hypervisor.

DOCKER COMMANDS

docker ps

docker images

docker rm <container id>

docker run -itd -P <image id>

docker rmi -f $(docker images -q -a)