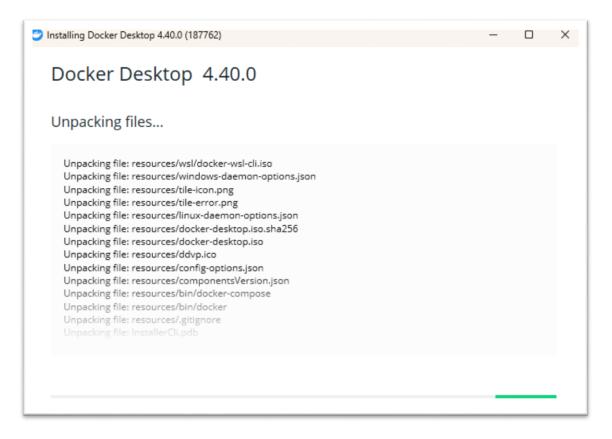
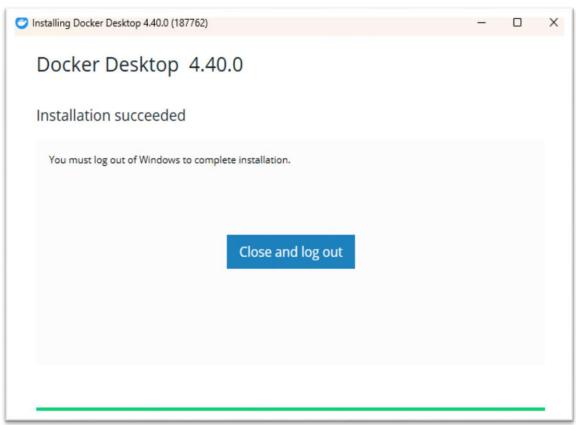
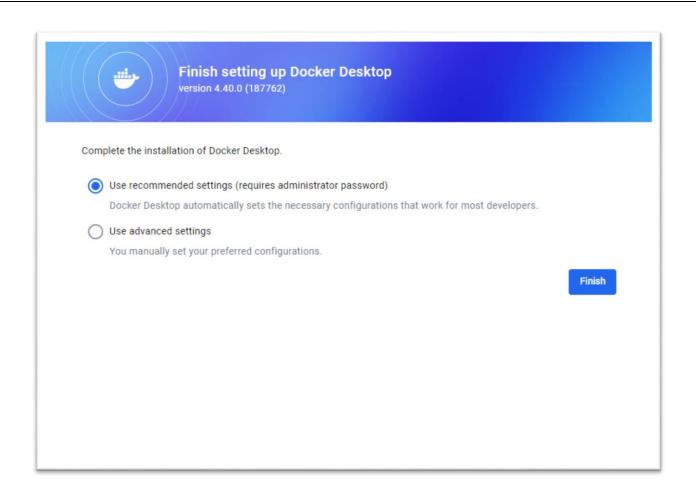
Experiment no 5

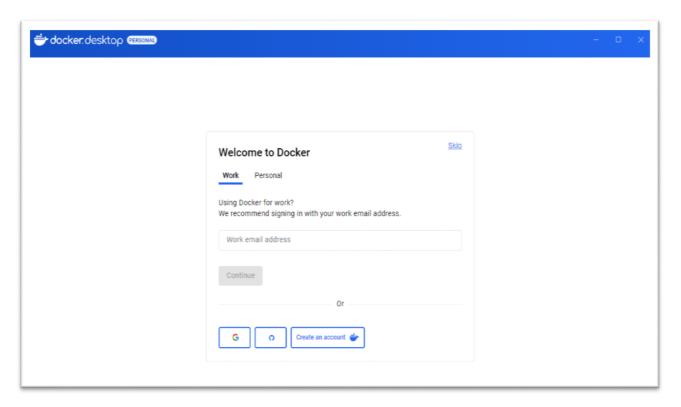
Name-Bilal Mirje Rollno-64 Div- A Batch-A3

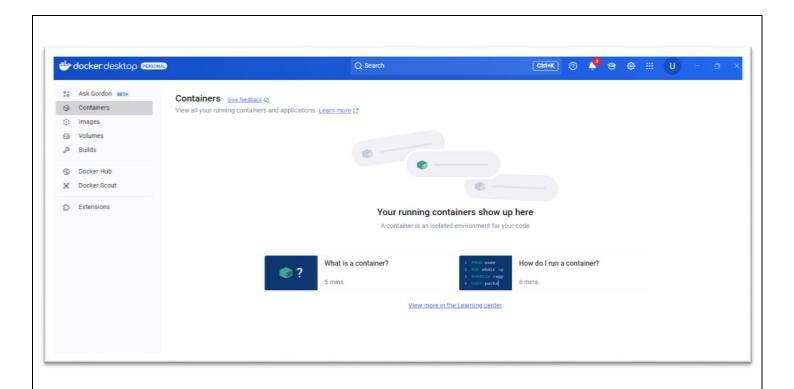
Containerization by running and building a **Docker** Container:-



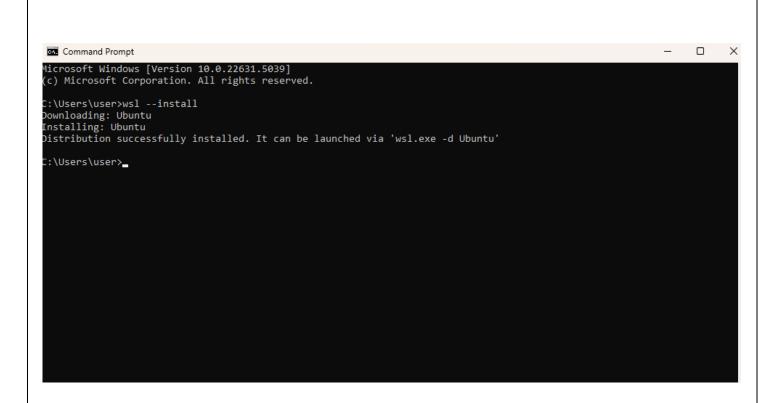












```
Microsoft Windows [Version 10.0.22621.4317]
(c) Microsoft Corporation. All rights reserved.

C:\Users\HP>docker -v
Docker Version 28.0.4, build b8034c0

C:\Users\HP>docker run --detach --publish 80:80 --name webserver nginx
Unable to find image 'nginx:latest' locally
latest: Pulling from library/nginx
254e734d7786: Pull complete
913115292750: Pull complete
913115292750: Pull complete
40316974e456: Pull complete
403654674672: Pull complete
4036546749672: Pull complete
4036546749672: Pull complete
0136546749694: Pull complete
013664749694: Pull complete
013664749694: Pull complete
01366474964: Pull complete
01366474964
```

```
Client:

Version: 28.0.4
Context: desktop-linux
Debug Mode: false
Plugins:
ai: Docker AI Agent - Ask Gordon (Docker Inc.)

Version: v1.1.3
Path: C.\Program Fites\Docker\cli-plugins\docker-ai.exe
Dulldx: Docker Buildx (Docker Inc.)

Version: v2.2.0-desktop.1
Path: C.\Program Fites\Docker\cli-plugins\docker-buildx.exe
Cloud: Docker Cloud (Docker Inc.)

Version: v3.22.0-desktop.1
Path: C.\Program Fites\Docker\cli-plugins\docker-cloud.exe
Compose: Docker Compose (Docker Inc.)

Version: v3.24.0-desktop.1
Path: C.\Program Fites\Docker\cli-plugins\docker-compose.exe
debug: Get a shell into any image or container (Docker Inc.)

Version: v3.34.0-desktop.1
Version: v3.34.0-desktop.1
Path: C.\Program Fites\Docker\cli-plugins\docker-debug.exe
desktop: Docker Desktop commands (Beta) (Docker Inc.)

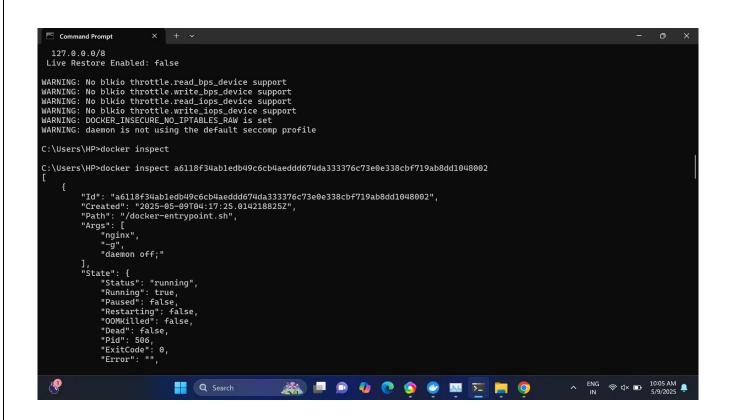
Version: v0.1.6
Path: C.\Program Fites\Docker\cli-plugins\docker-desktop.exe
dev: Docker Dev Environments (Docker Inc.)

Version: v0.1.2
Path: C.\Program Fites\Docker\cli-plugins\docker-dev.exe
extension: Manages Docker extensions (Docker Inc.)

Version: v0.1.2
Path: C.\Program Fites\Docker\cli-plugins\docker-dev.exe
extension: Manages Docker extensions (Docker Inc.)

Version: v1.4.0
Path: C.\Program Fites\Docker\cli-plugins\docker-extension.exe
init: Creates Docker-related starter files for your project (Docker Inc.)

Version: v1.4.0
Path: C.\Program Fites\Docker\cli-plugins\docker-extension.exe
sbom: View the packaged-based Software Bill Of Materials (SBOM) for an image (Anchore Inc.)
```



```
"ExitCode": 0,
                         "Error":
                         "Error": "",
"StartedAt": "2025-05-09T04:17:26.772916309Z",
"FinishedAt": "0001-01-01T00:00:00Z"
                },
"Image": "sha256:a830707172e8069c09cf6c67a04e23e5a1a332d70a90a54999b76273a928b9ce",
"ResolvConfPath": "/var/lib/docker/containers/a6118f34ab1edb49c6cb4aeddd674da333376c73e0e338cbf719ab8dd1048002/resolv.conf"
"HostnamePath": "/var/lib/docker/containers/a6118f34abledb49c6cb4aeddd674da333376c73e0e338cbf719ab8dd1048002/hostname",
"HostsPath": "/var/lib/docker/containers/a6118f34abledb49c6cb4aeddd674da333376c73e0e338cbf719ab8dd1048002/hosts",
"LogPath": "/var/lib/docker/containers/a6118f34abledb49c6cb4aeddd674da333376c73e0e338cbf719ab8dd1048002/a6118f34abledb49c6c
b4aeddd674da333376c73e0e338cbf719ab8dd1048002-json.log",
                b'/dda333'/bc'/3e0e338cbt
"Name": "/webserver",
"RestartCount": 0,
"Driver": "overlay2",
"Platform": "linux",
"MountLabel": "",
"ProcessLabel": "",
"AppArmorProfile": "",
"StacTourns", "",
                "AppArmorProfile":
"ExecIDs": null,
"HostConfig": {
                 "HostConfig": {
    "Binds": null
                         "ContainerIDFile": "",
                         "LogConfig": {
    "Type": "json-file",
                                 "Config":
                        },
"NetworkMode": "bridge",
                         "PortBindings": {
    "80/tcp": [
                                                 "HostIp": "",
"HostPort": "80"
                                                                                                                                                                                                                           Q Search
```

