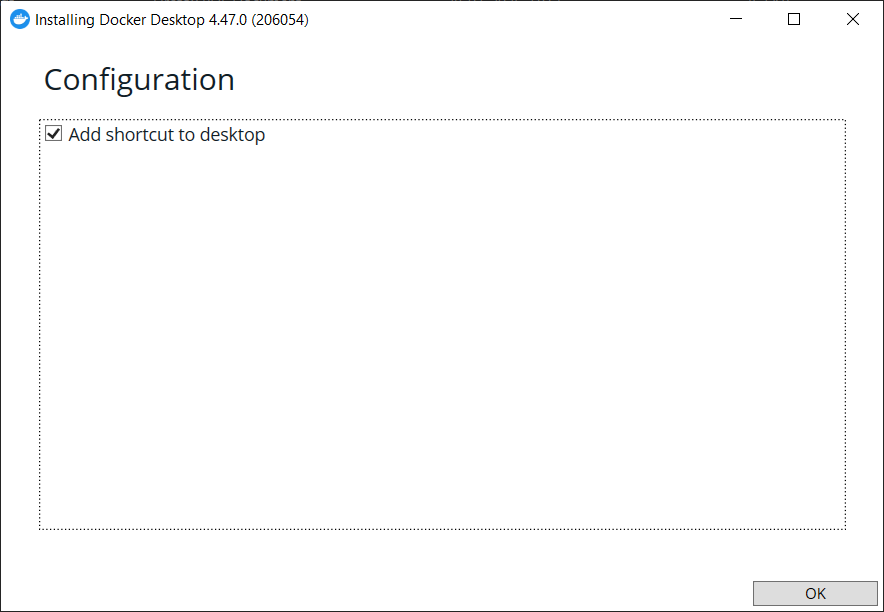
# **Name: Abdurrahman Qureshi**

# **Roll No: 242466**

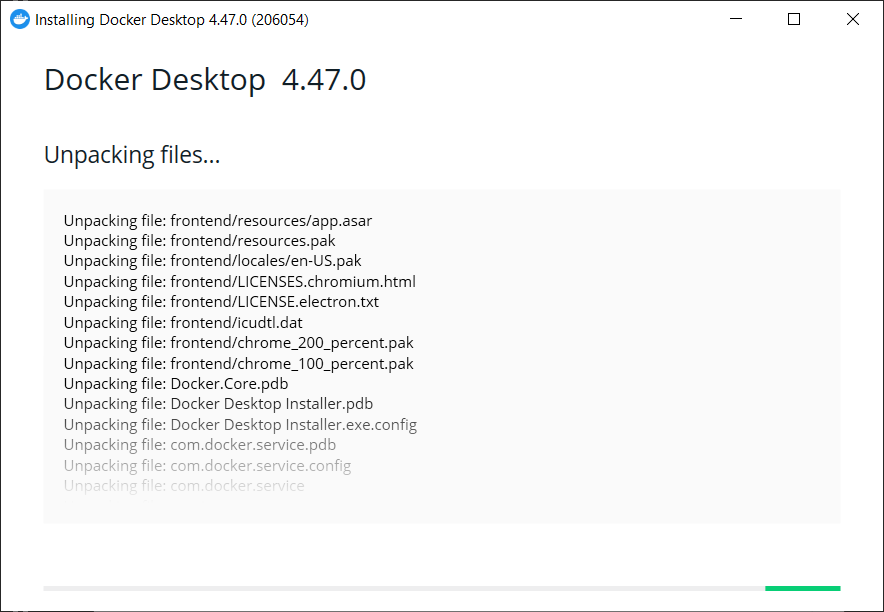
Practical No: 8

Date Of Performance: 26/09/2025

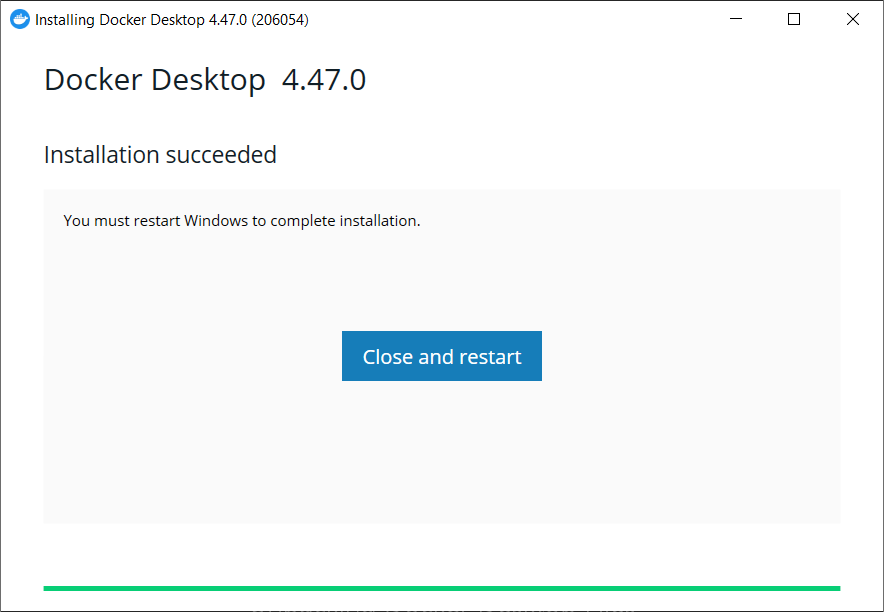
Aim: Understand Docker Architecture and Container life cycle, install Docker Commands and execute docker commands to Manage Image and Interact with Container.



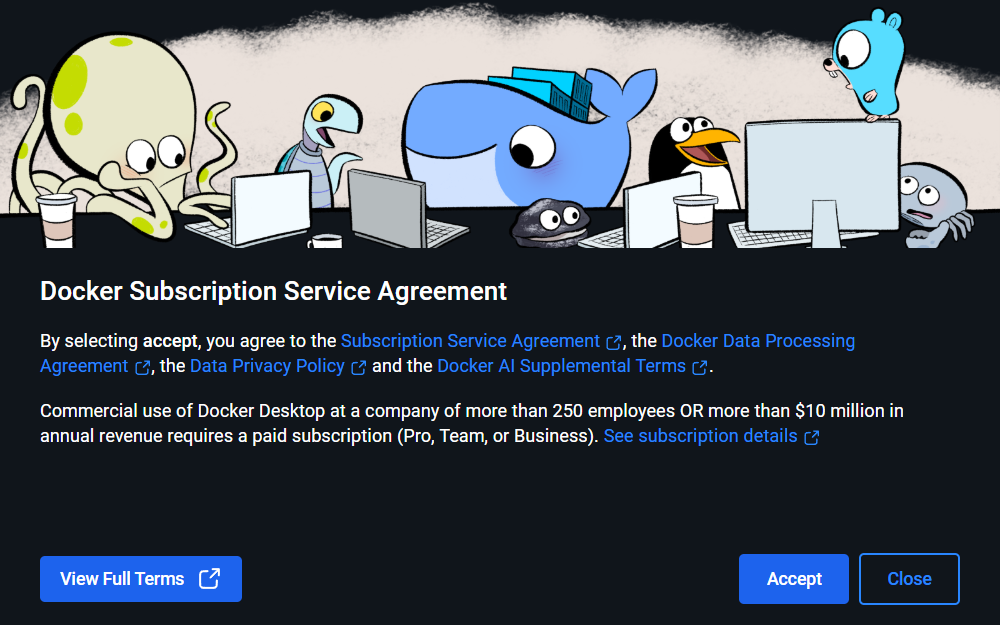
Configuring Docker Desktop



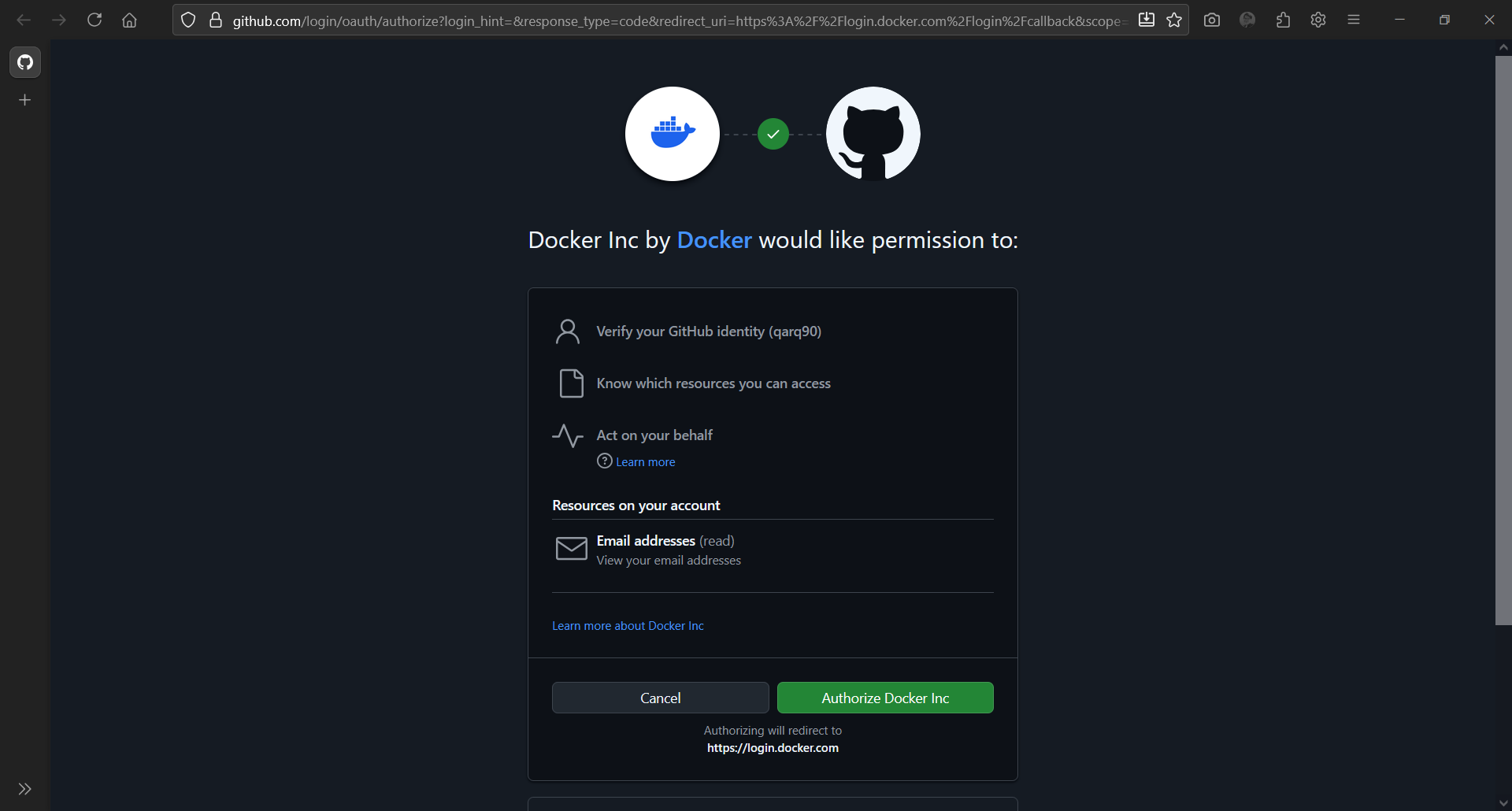
Unpacking Docker Desktop Files



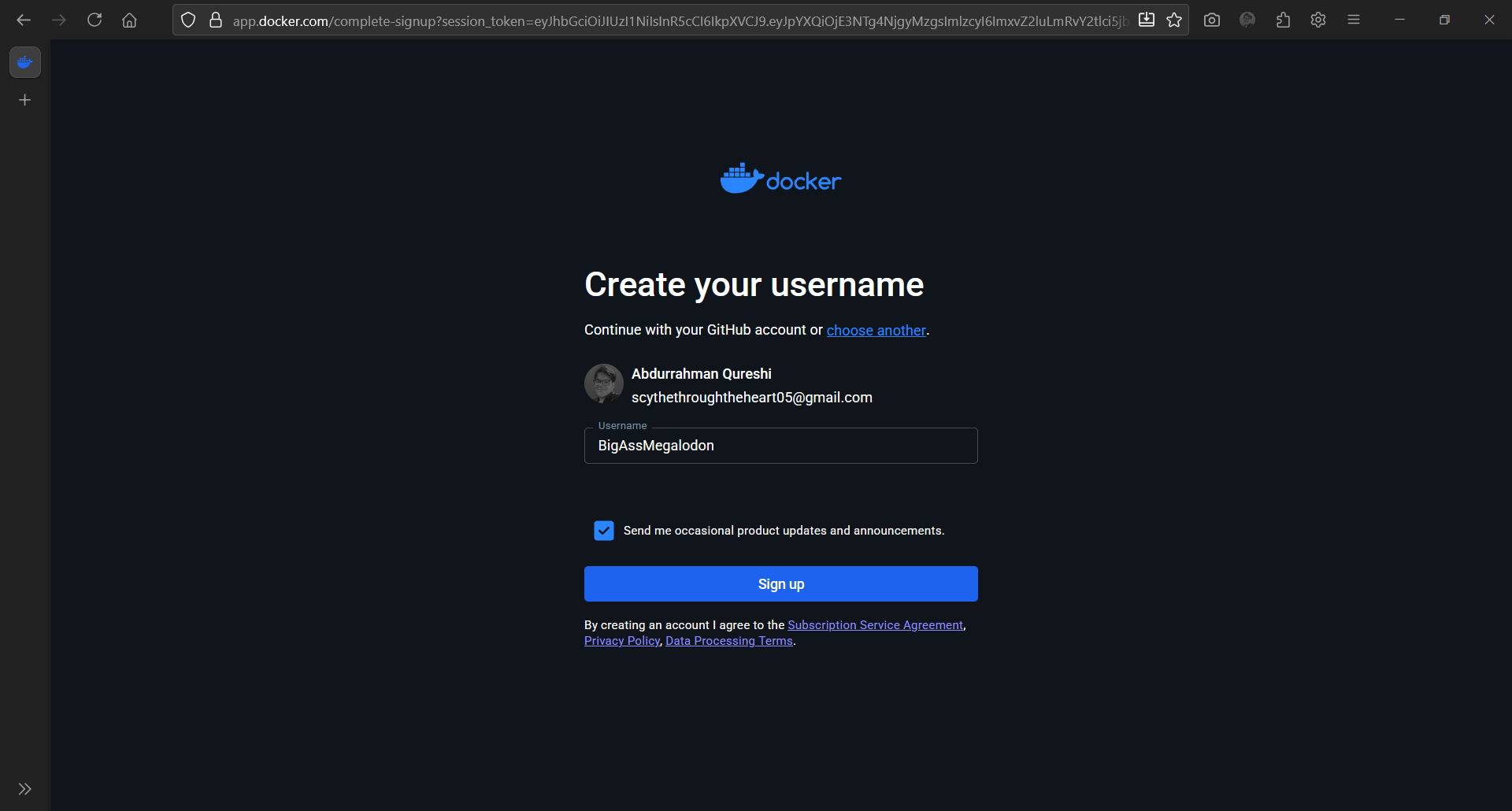
Docker Desktop Installation Successful



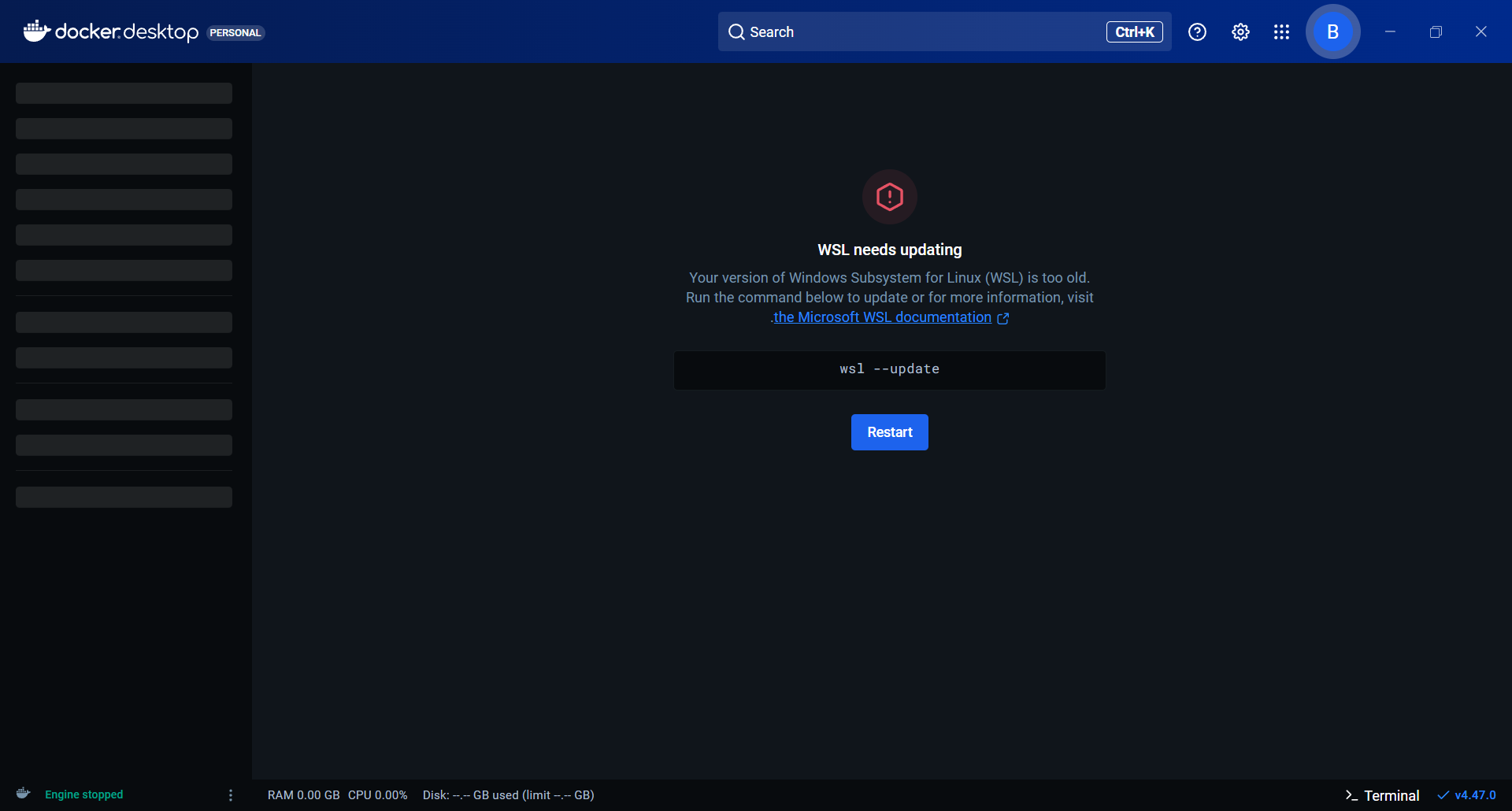
Accepting Docker Terms of Service



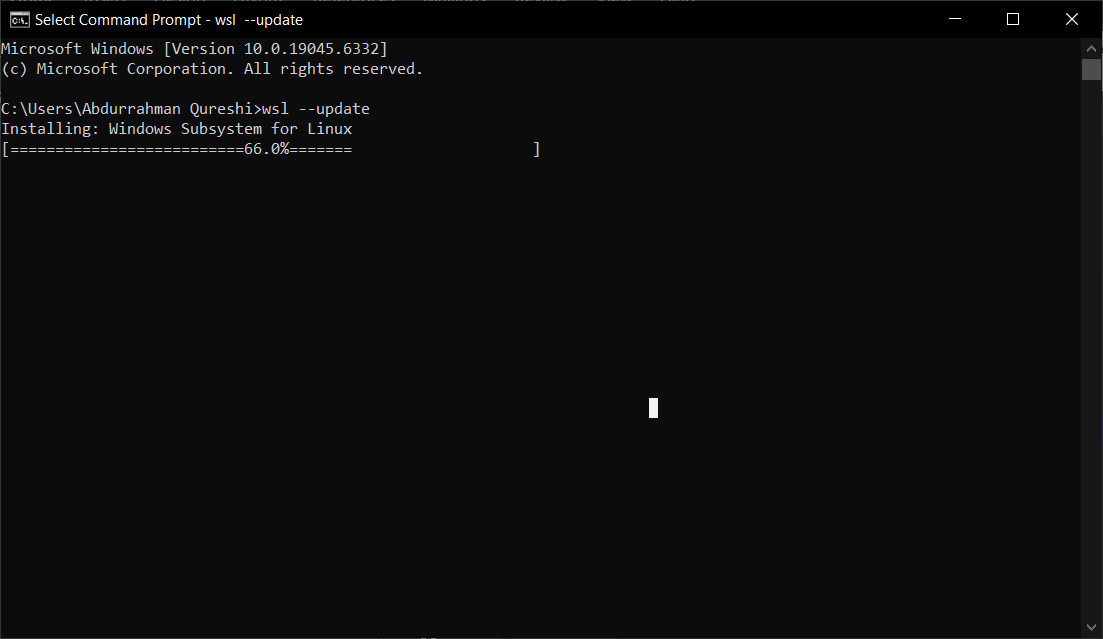
Logging via Github



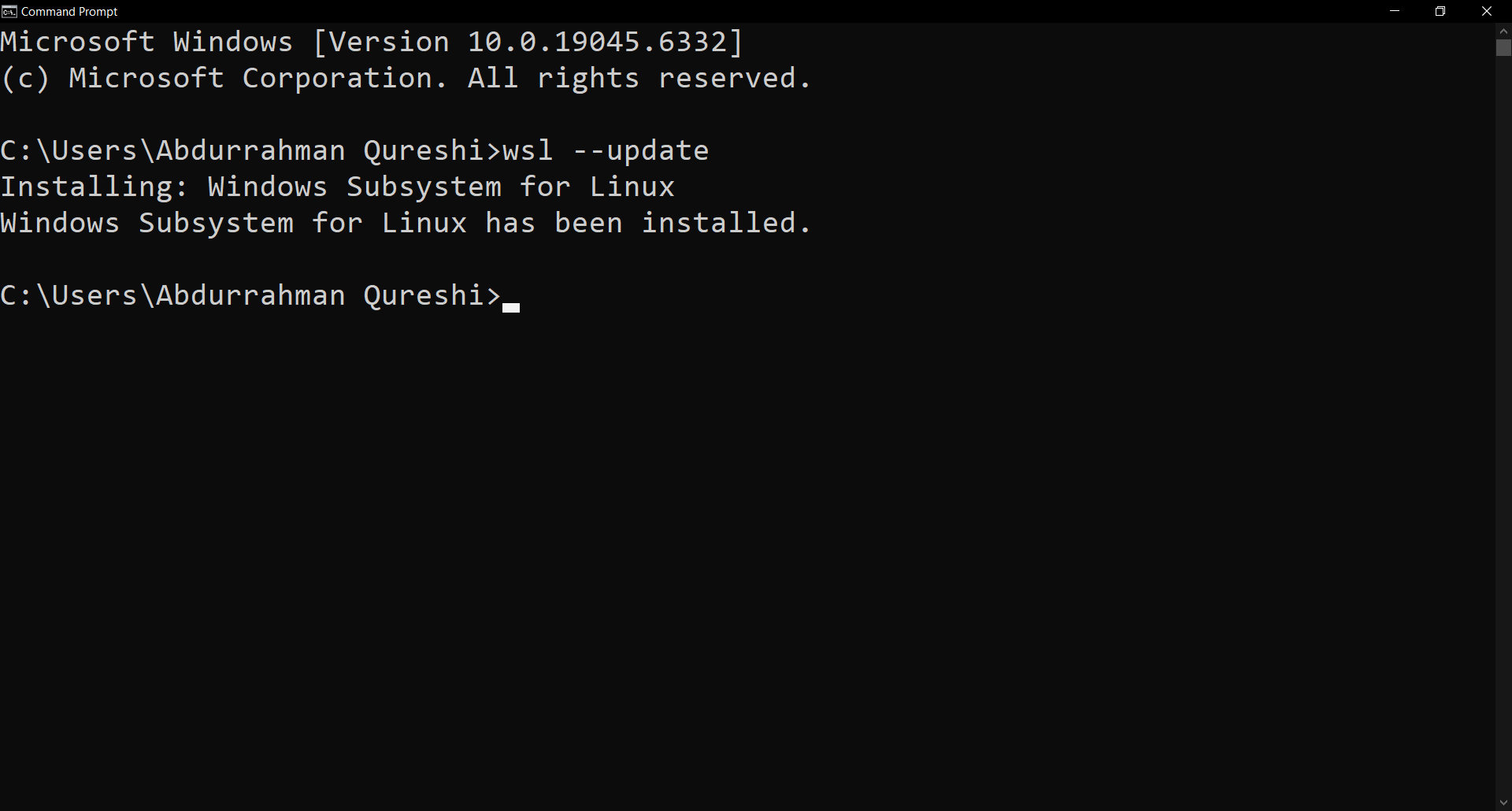
Creating new username



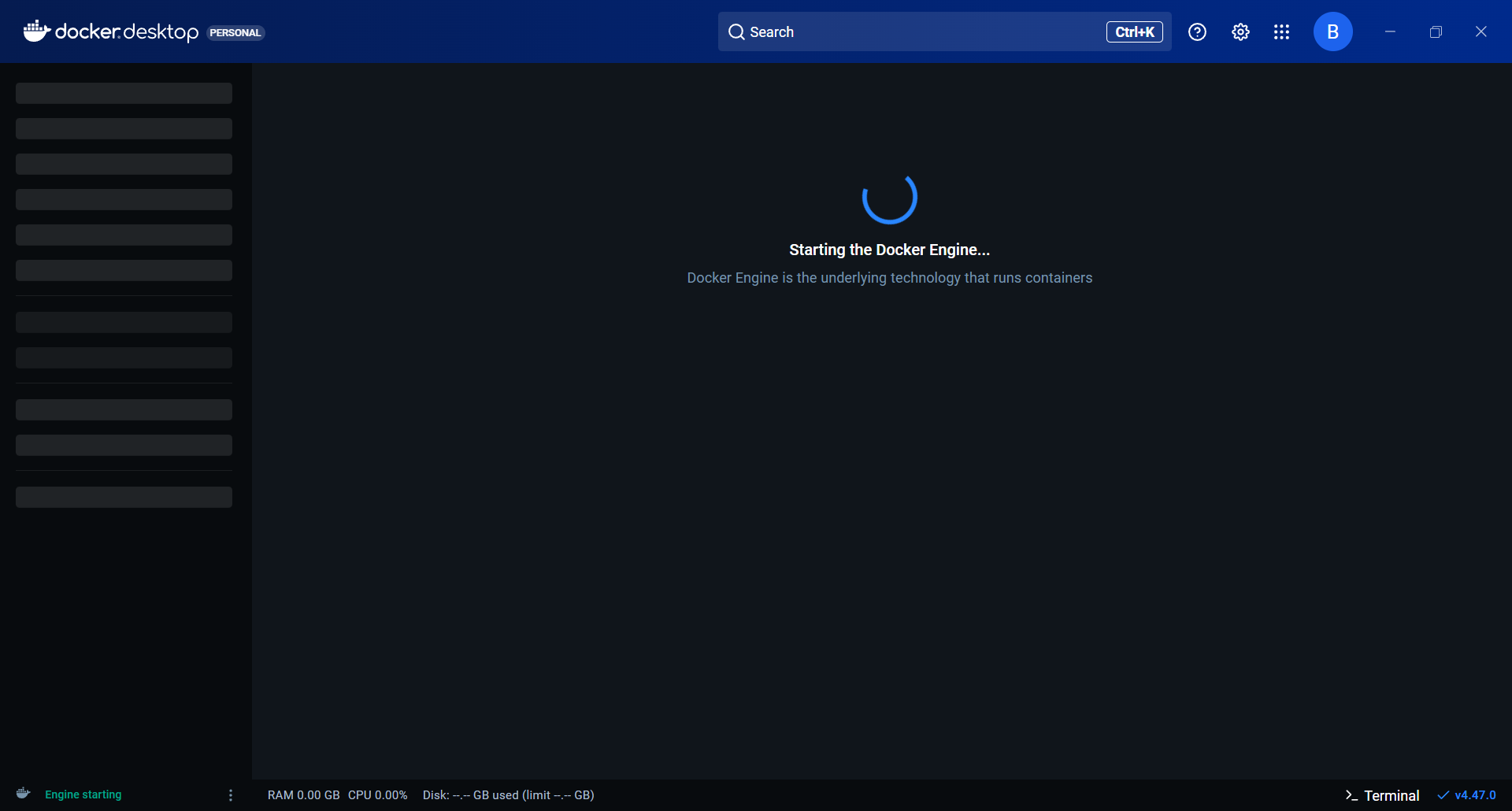
WSL update needed



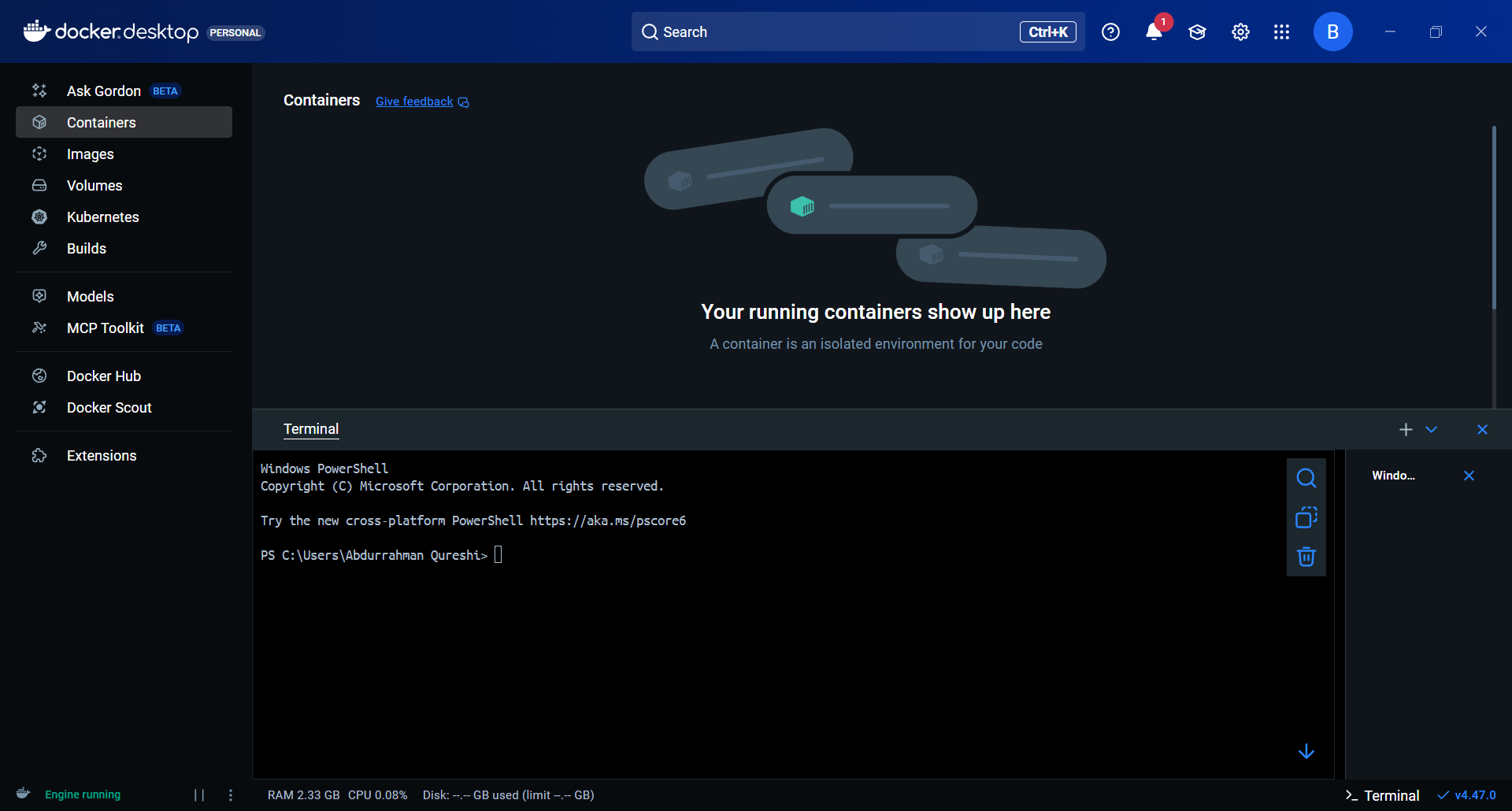
WSL updating



WSL updated successfully



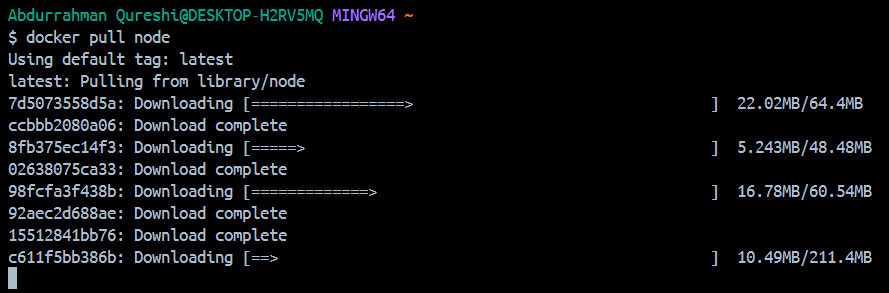
Restarting Docker Desktop

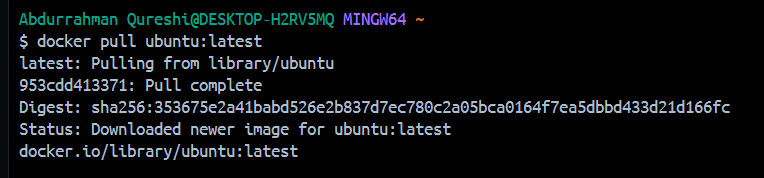


Home Page

1. **Pull an image from Docker Hub:**

docker pull [image\_name]:[tag]



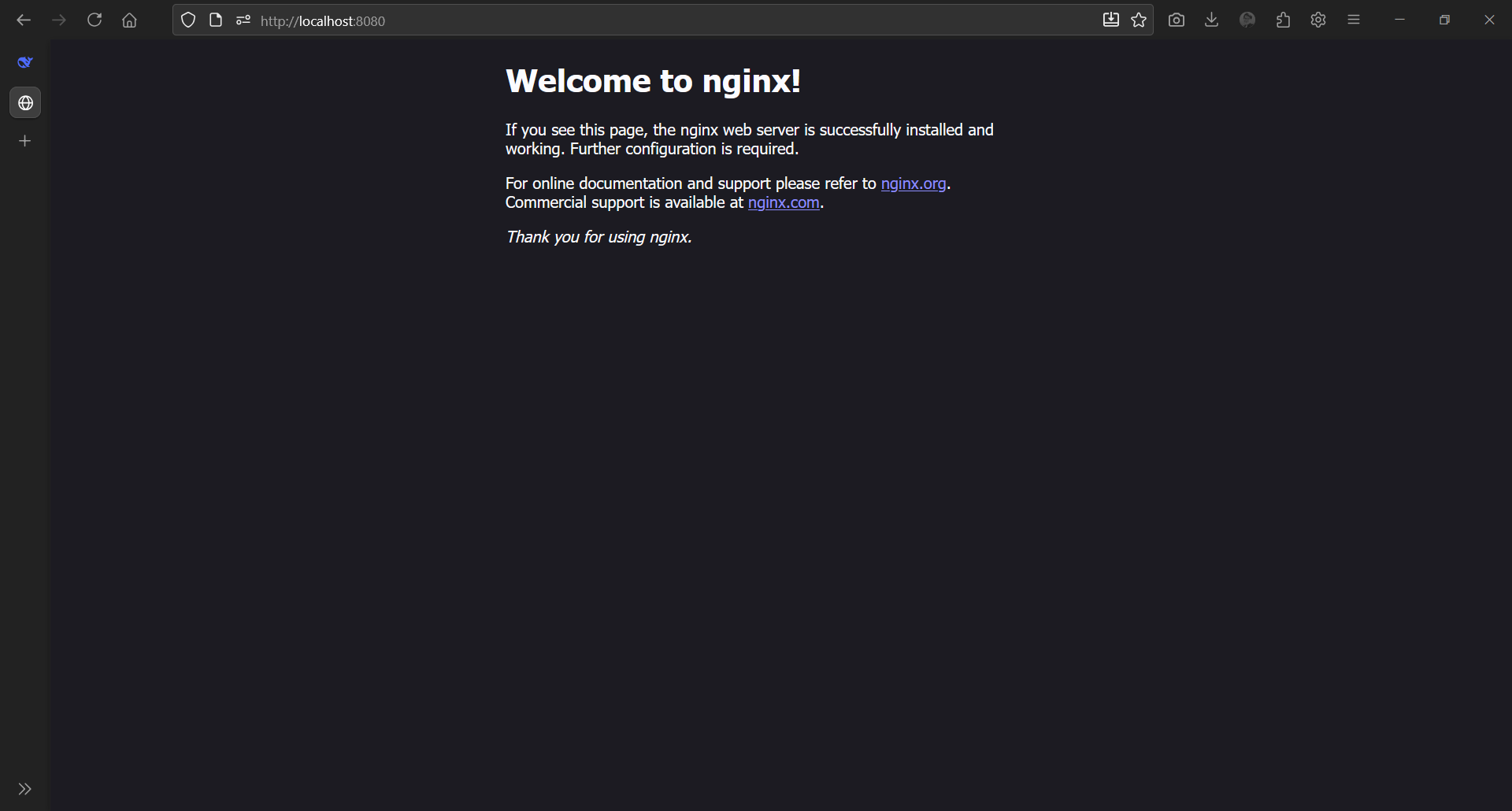


1. Run a container:

docker run [options] [image\_name]

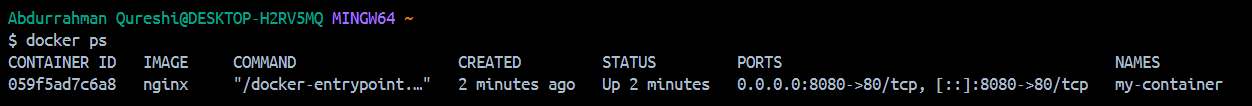


Output of nginx image:



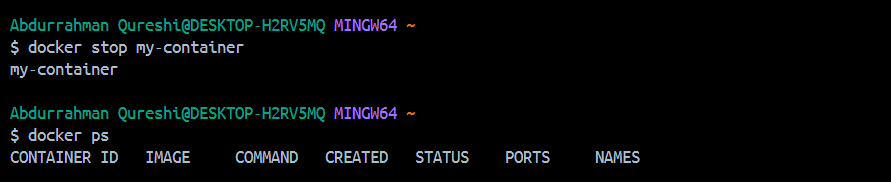
1. List running containers:

docker ps || docker ps -a



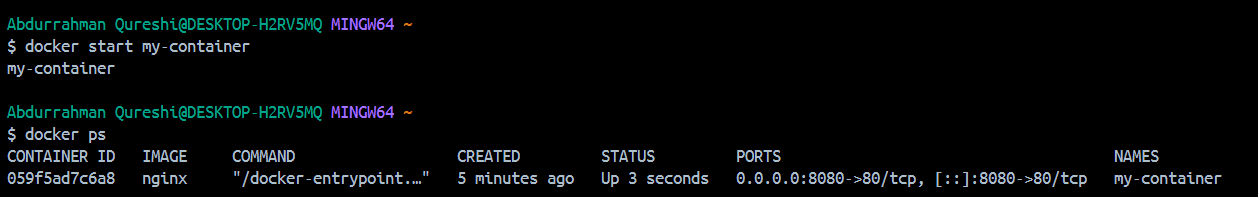
1. **Stop a running container:**

**docker stop [container\_name\_or\_id]**



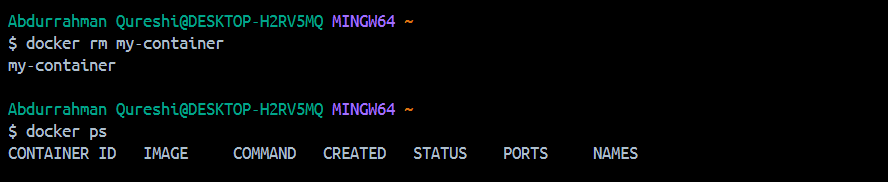
1. Start a container:

docker start [container\_name\_or\_id]



1. **Remove a container:**

**docker rm [container\_name\_or\_id]**



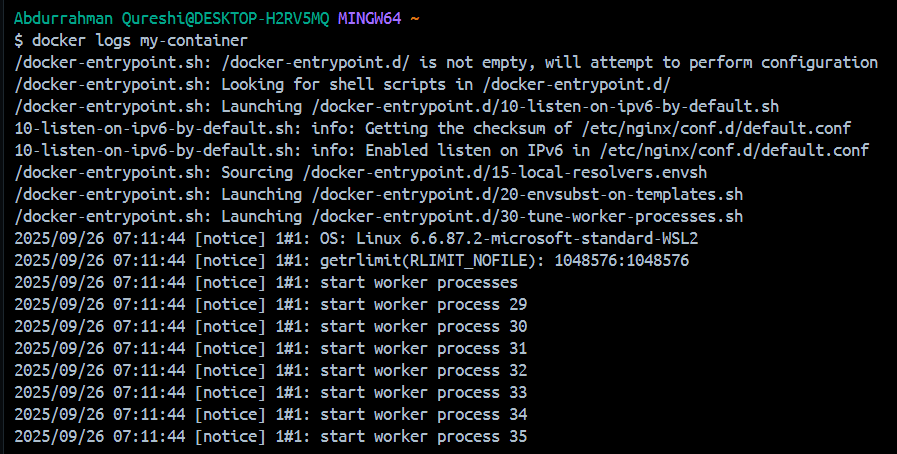
1. **List images:**

docker images || docker images -a



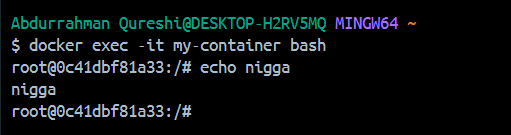
1. **View container logs:**

docker logs [container\_name\_or\_id]



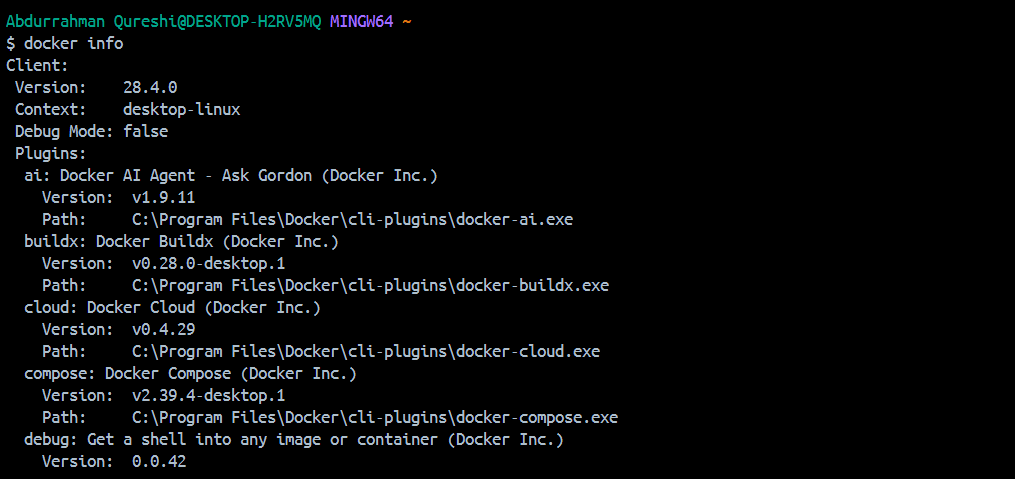
1. **Execute command in running container:**

**docker exec [options] [container\_name] [command]**



1. **Show information:**

**docker info**



1. **Show Version:**

**docker version**

