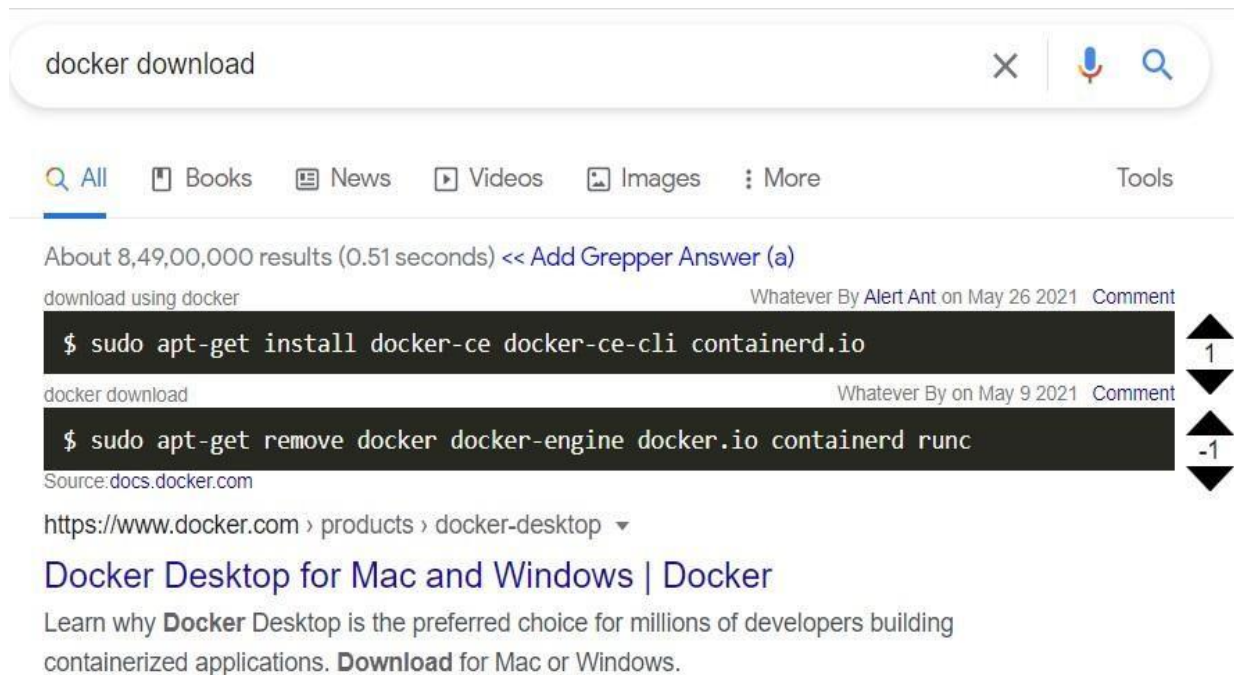


STEPS TO INSTALL AND CONFIGURE THE DOCKER

Step-By-Step Docker Installation On Windows

Follow the below steps to install and configure Docker on Windows:

Step 1: For installation of Docker, go to your favorite browser(chrome will be used here, but it can be done by using any browser). In the search bar, type Docker download. And click on the first link that appears.



Step 2: After clicking the link, choose your OS, be it Windows, MAC, or Linux for installation.

Docker Desktop

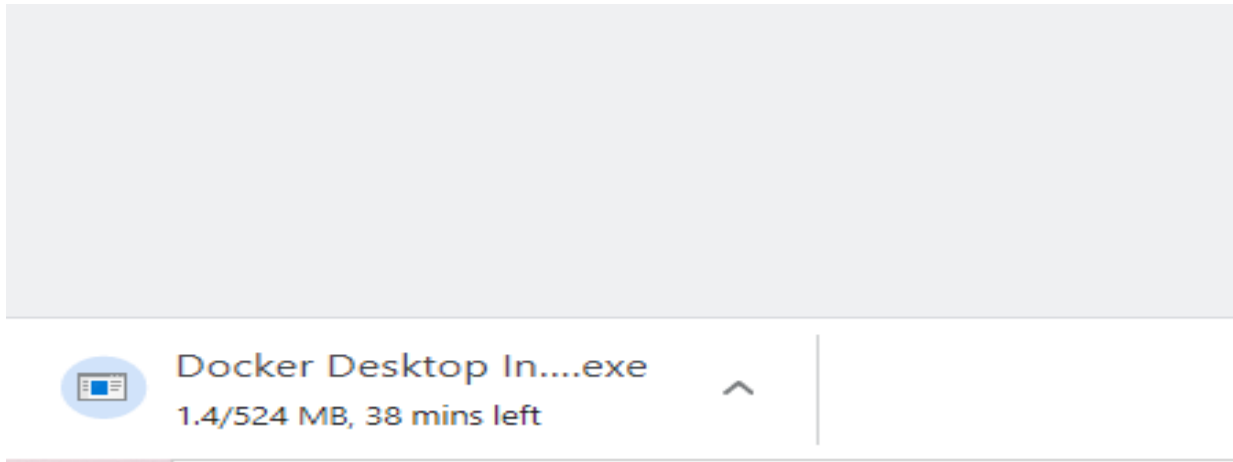
The fastest way to containerize applications on your desktop

[Download for Windows](#)

Also available for [Mac](#) and [Linux](#)

By downloading this, you agree to the terms of the [Docker Software End User License Agreement](#) and the [Docker Data Processing Agreement \(DPA\)](#).

Step 3: The download will start, and based on your internet speed, it will take some time to do so. To know more about docker desktop installation visit [Docker Desktop](#).

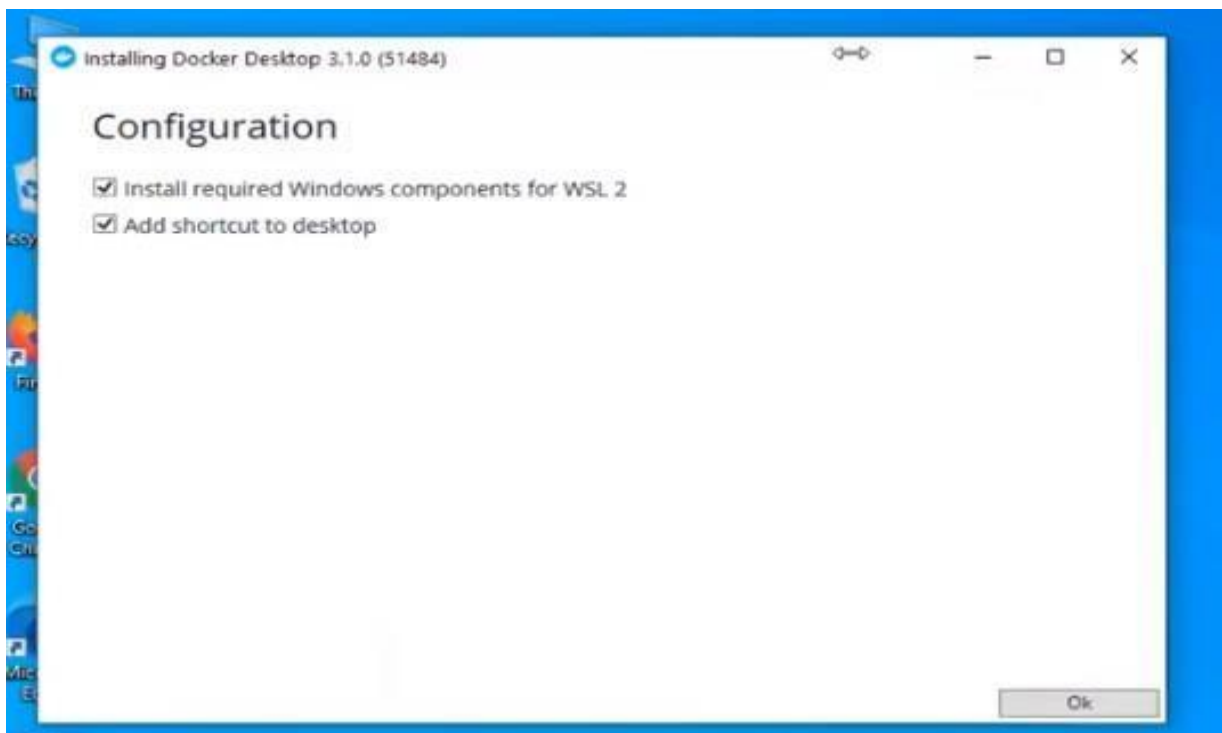


Start Docker Desktop Tool

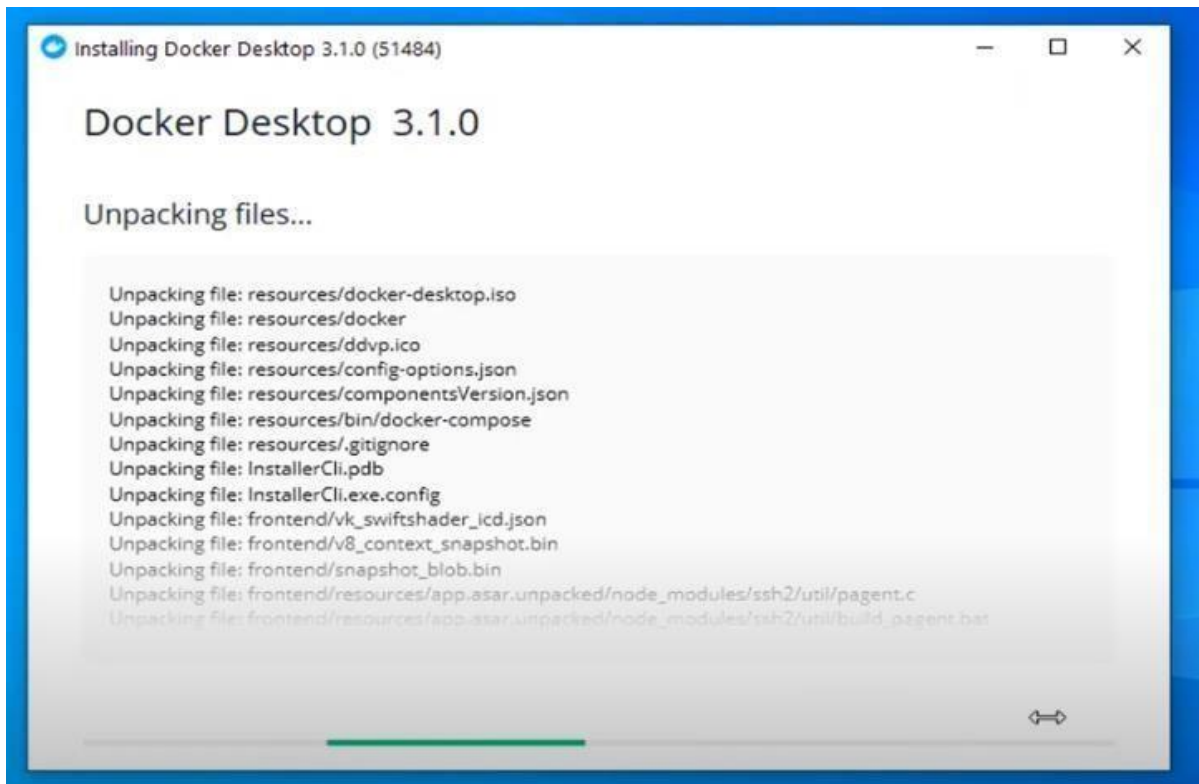
Step 1: After installation, it will look something like this in Windows:

Open the Docker Desktop.

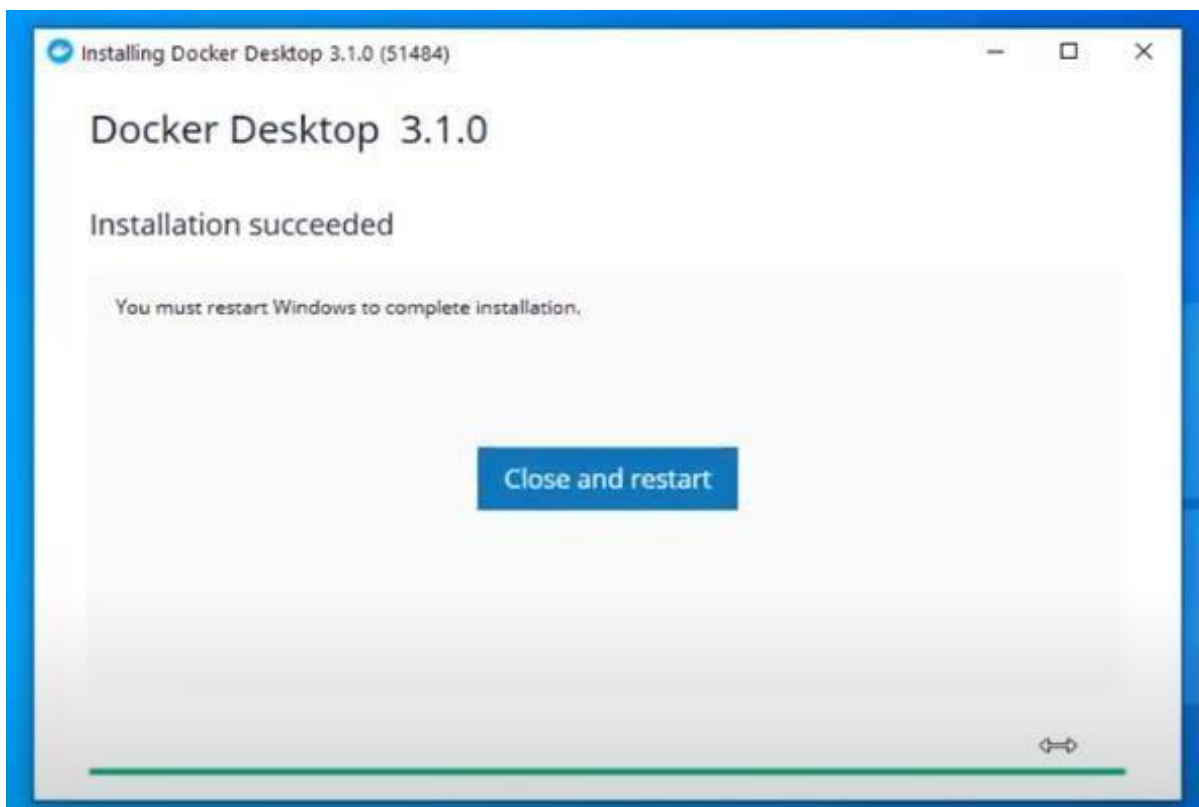
Accept the Docker Subscription Service Agreement window. and click On continue. Docker Desktop will start after we accept the terms and conditions.



Step 2: After clicking Ok the installation will start.



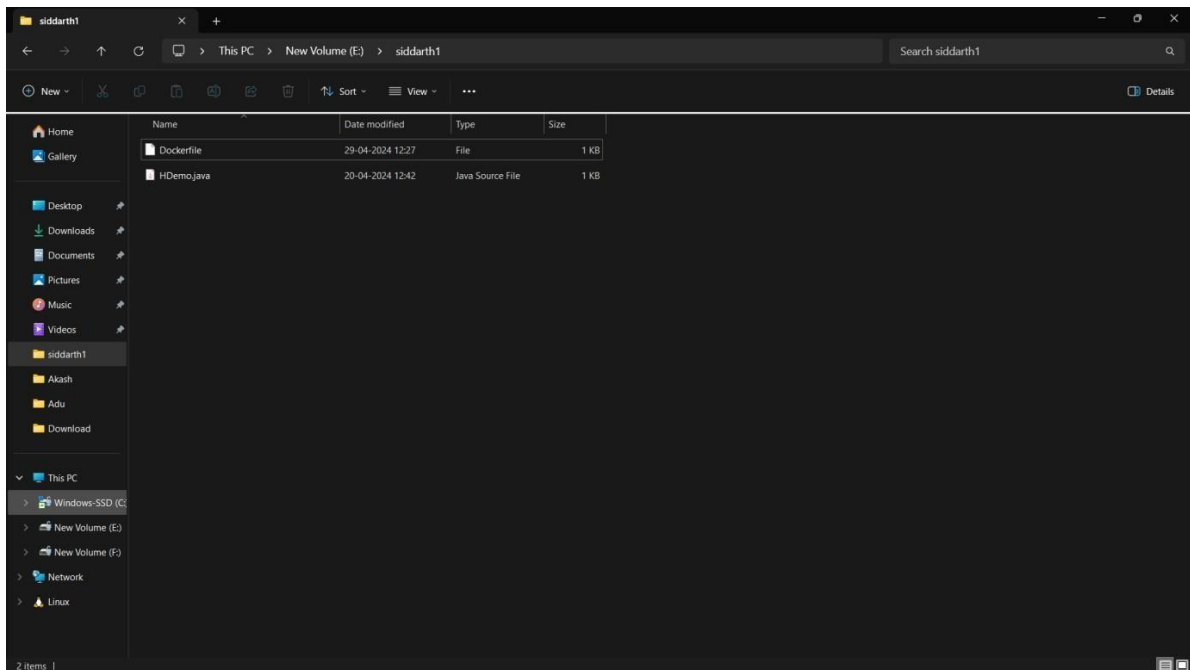
Step 3: After installation, it will show something like the below:



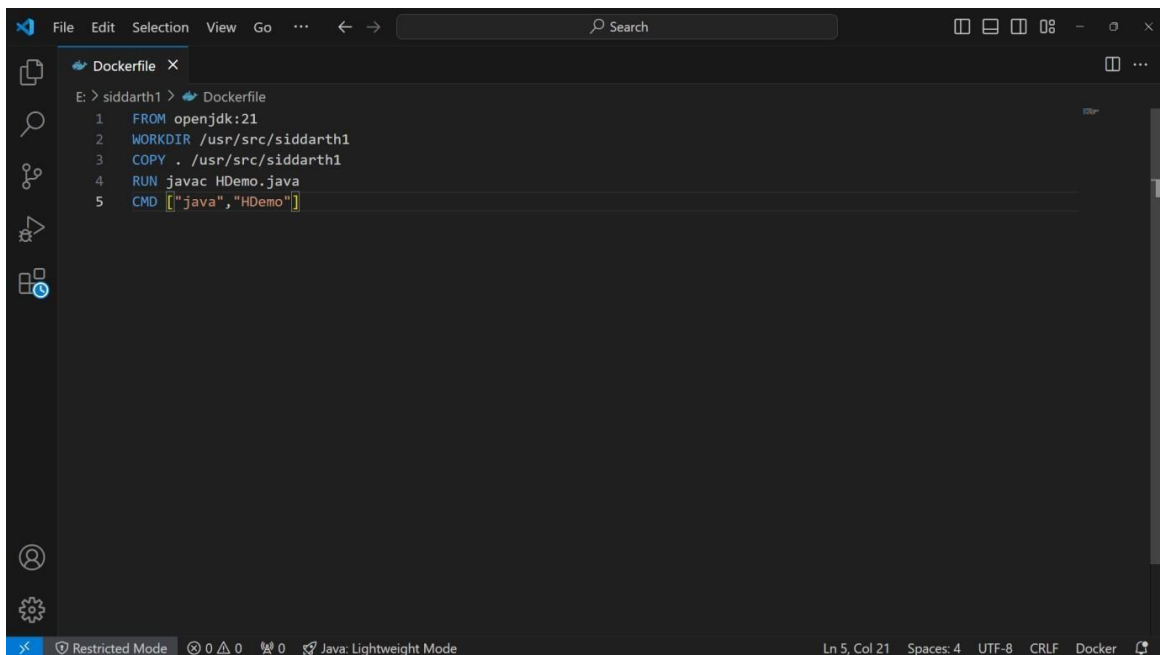
Step 3: After installation, we need to restart our PC and install WSL 2, which stands for Windows Setup for LINUX. It is a compatibility layer for running Linux binary executables natively on Windows 10. Please follow the next few instructions carefully. After restarting, the following dialog box will appear, then click on the Stop Docker button there.

CONFIGURE THE DOCKER

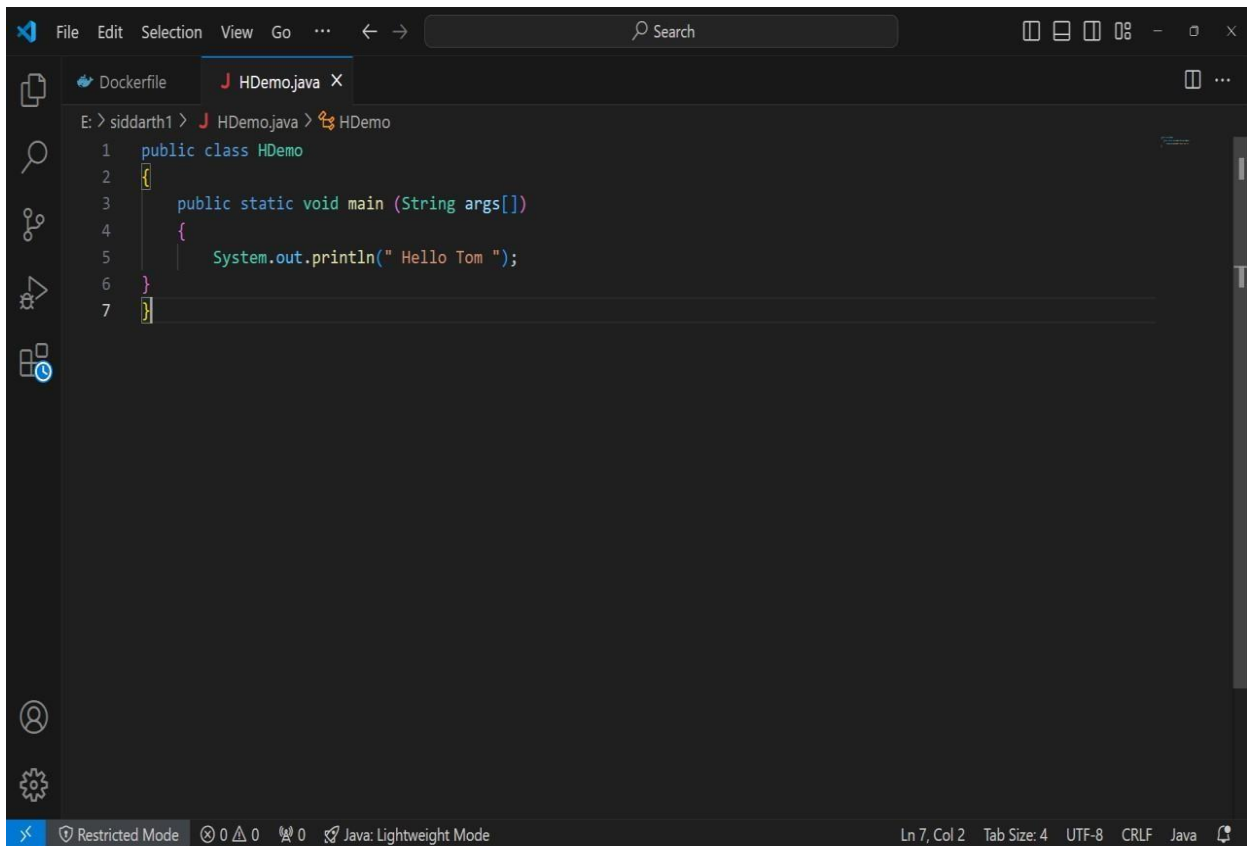
STEP1: create the two files 1.docker
2.program file



Docker file code



Program file

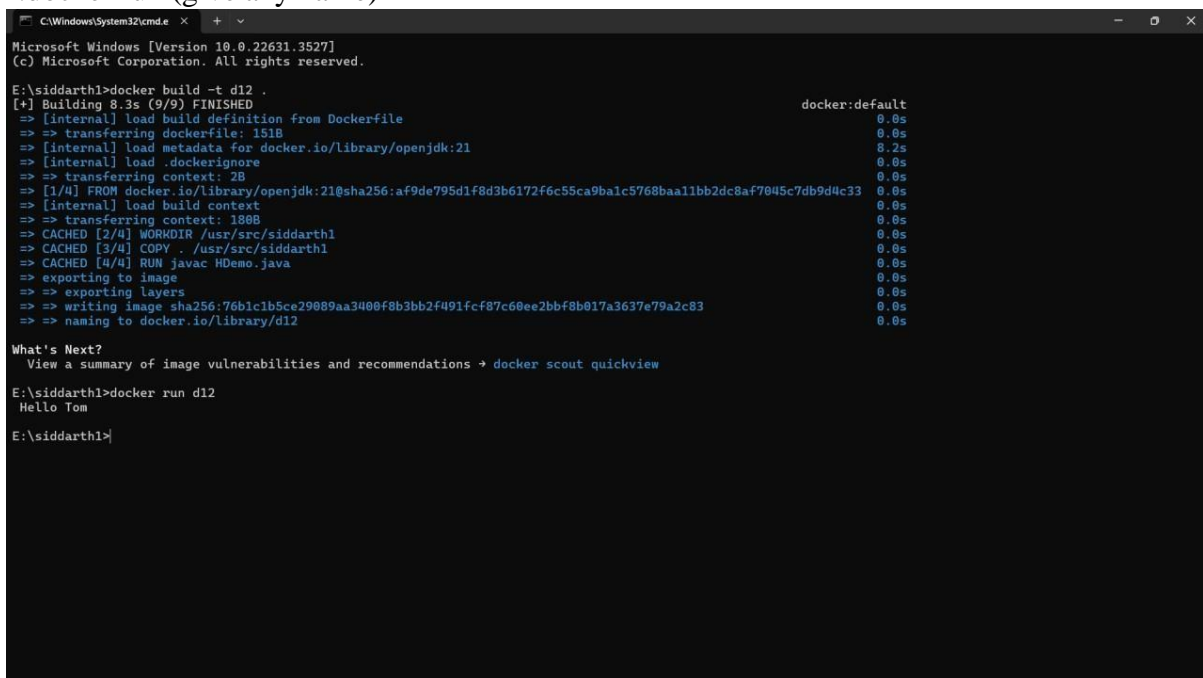


```
File Edit Selection View Go ... Search
E: > siddarth1 > J HDemo.java > HDemo
1 public class HDemo
2 {
3     public static void main (String args[])
4     {
5         System.out.println(" Hello Tom ");
6     }
7 }
```

Ln 7, Col 2 Tab Size: 4 UTF-8 CRLF Java

CMD commands

- 1.docker build -t (give any name) .
- 2.docker run (give any name)



```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.22631.3527]
(c) Microsoft Corporation. All rights reserved.

E:\siddarth1>docker build -t d12 .
[+] Building 8.3s (9/9) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 151B
=> [internal] load metadata for docker.io/library/openjdk:21
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [1/4] FROM docker.io/library/openjdk:21@sha256:af9de795d1f8d3b6172f6c55ca9babc5768baa1bb2dc8af7045c7db9d4c33
=> [internal] load build context
=> => transferring context: 100B
=> CACHED [2/4] WORKDIR /usr/src/siddarth1
=> CACHED [3/4] COPY . /usr/src/siddarth1
=> CACHED [4/4] RUN javac HDemo.java
=> exporting to image
=> => exporting layers
=> => writing image sha256:76b1c1b5ce29089aa3400f8b3bb2f491fcf87c60ee2bbf8b017a3637e79a2c83
=> => naming to docker.io/library/d12

What's Next?
View a summary of image vulnerabilities and recommendations -> docker scout quickview

E:\siddarth1>docker run d12
Hello Tom

E:\siddarth1>
```

Finally view your docker image file in docker application

