

Herovired Assignment -2

Q1) Pull any image from the docker hub, create its container, and execute it showing the output.

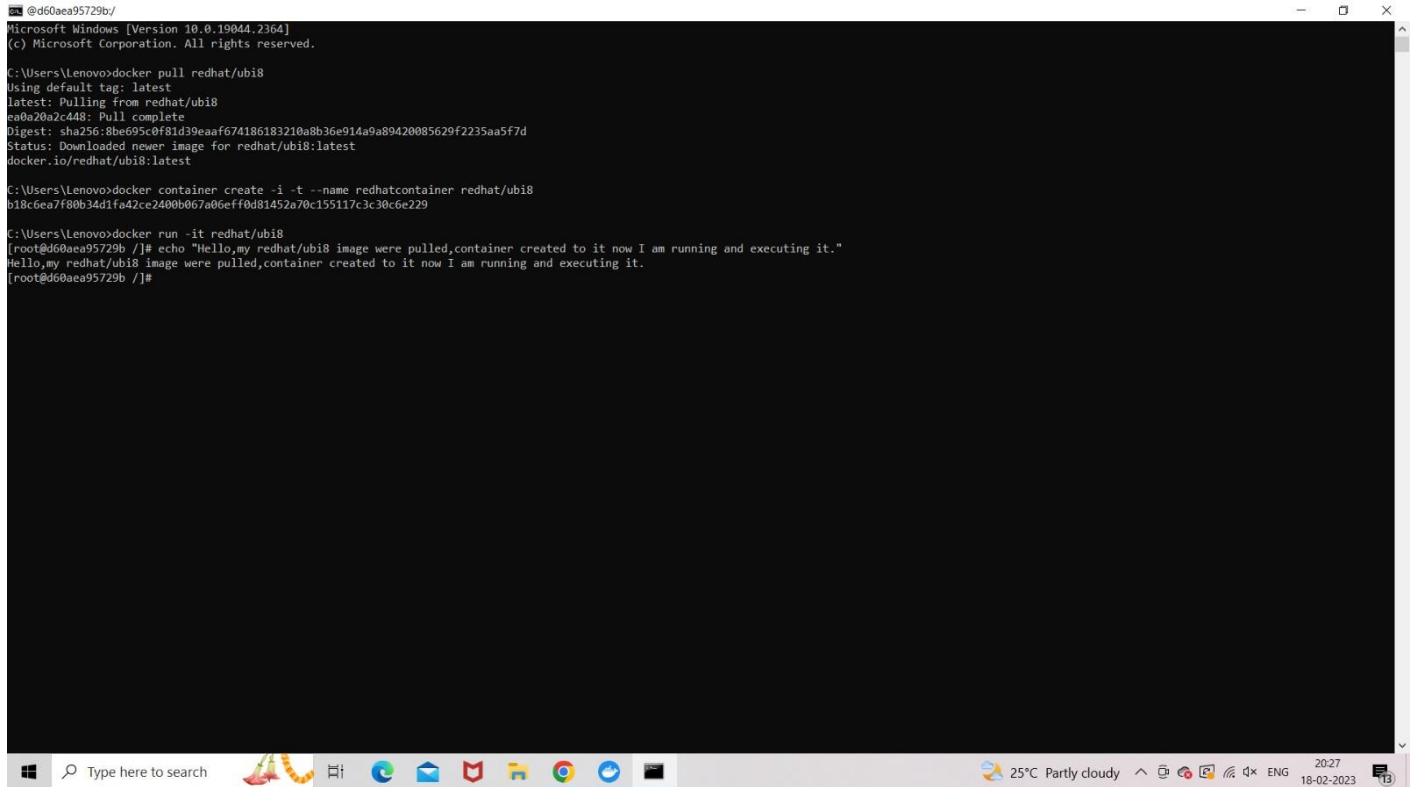
A: Process:

step1:open docker desktop

step2:docker pull redhat/ubi8

step3:docker container create -i -t --name redhatcontainer redhat/ubi8

step4:docker run -it redhat/ubi8



```
@d60ae95729b/
Microsoft Windows [Version 10.0.19044.2364]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Lenovo>docker pull redhat/ubi8
Using default tag: latest
latest: Pulling from redhat/ubi8
ea0a20a2c448: Pull complete
Digest: sha256:8be695c0f81d39eaf674186183210a8b36e914a9a89420085629f2235aa5f7d
Status: Downloaded newer image for redhat/ubi8:latest
docker.io/redhat/ubi8:latest

C:\Users\Lenovo>docker container create -i -t --name redhatcontainer redhat/ubi8
b18c6ea7f80b34d1fa42ce2400b067a06eff0d81452a70c155117c3c30c6e229

C:\Users\Lenovo>docker run -it redhat/ubi8
[root@d60ae95729b /]# echo "Hello,my redhat/ubi8 image were pulled,container created to it now I am running and executing it."
Hello,my redhat/ubi8 image were pulled,container created to it now I am running and executing it.
[root@d60ae95729b /]#
```

Q2) Create the basic java application, generate its image with necessary files, and execute it with docker.

A: Process:

step1:first create folder

step2:open cmd

step3:mkdir java-docker-app

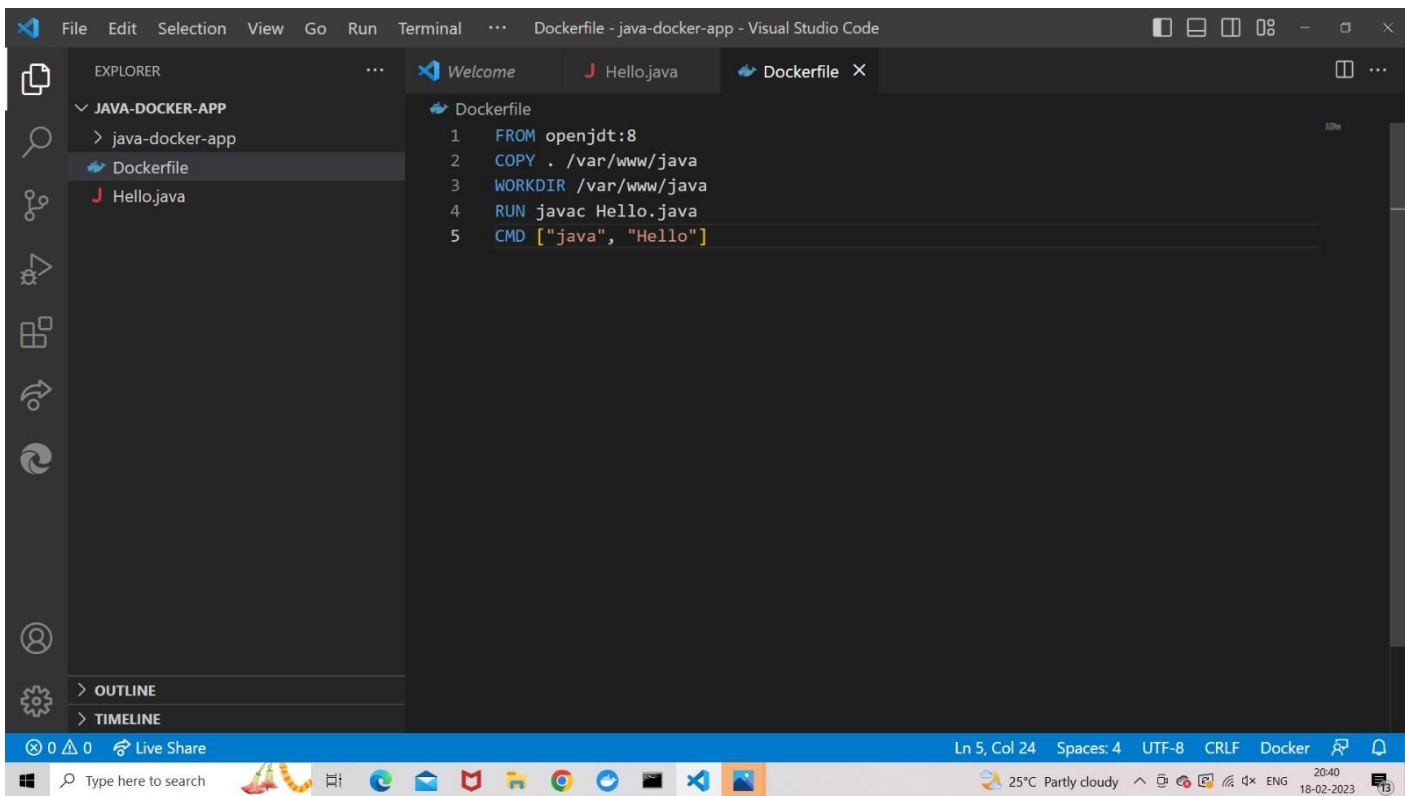
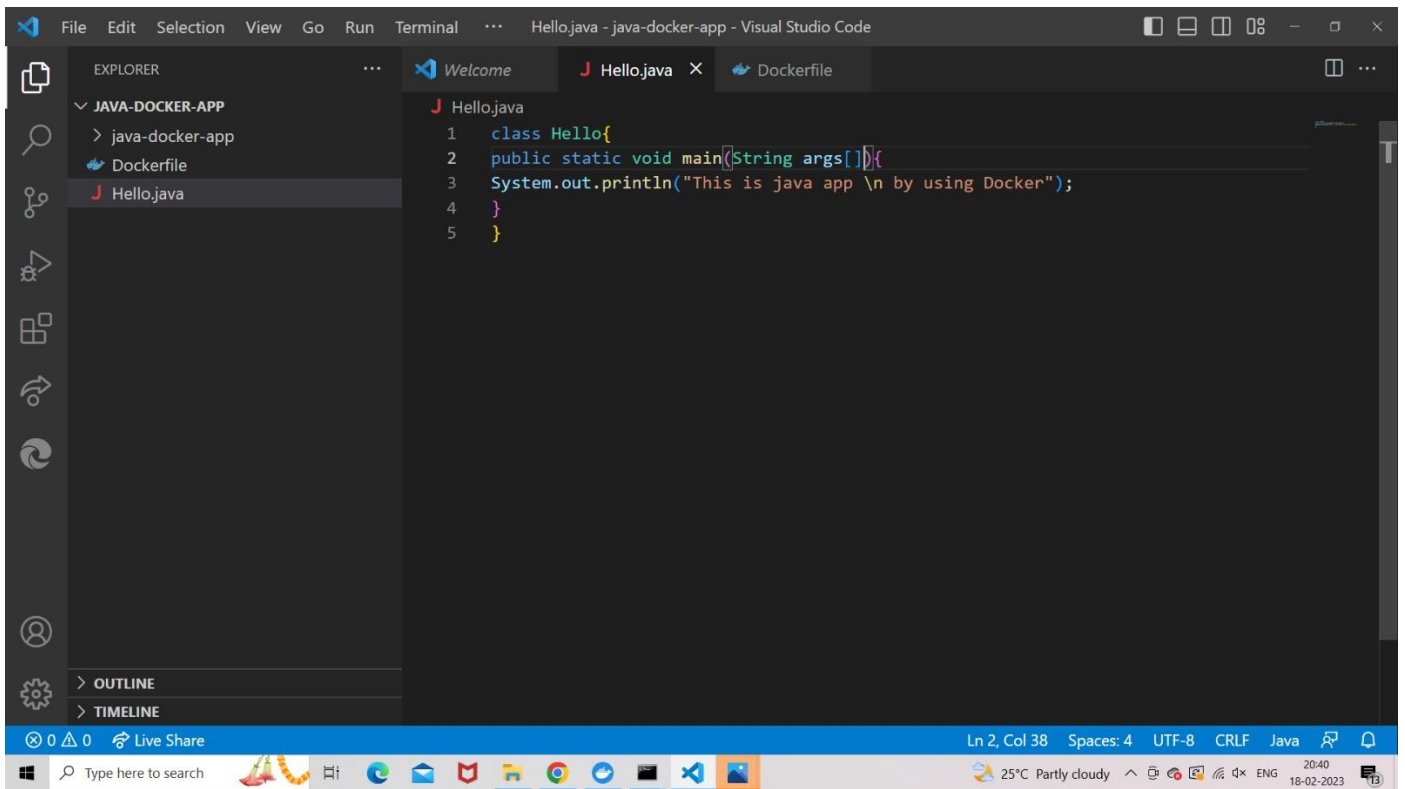
step4:code .

step5:create two files in vscode

step6:cd java-docker-app

step7:docker build -t java-app

step8:docker run java-app



```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19044.2364]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Lenovo\OneDrive\Desktop\java-docker-app>mkdir java-docker-app
C:\Users\Lenovo\OneDrive\Desktop\java-docker-app>code .
C:\Users\Lenovo\OneDrive\Desktop\java-docker-app>cd java-docker-app
C:\Users\Lenovo\OneDrive\Desktop\java-docker-app\java-docker-app>docker build -t java-app
'docker build' requires exactly 1 argument.
See 'docker build --help'.

Usage:  docker build [OPTIONS] PATH | URL | -

Build an image from a Dockerfile

C:\Users\Lenovo\OneDrive\Desktop\java-docker-app\java-docker-app>docker run java-app
This is java app
by using Docker

C:\Users\Lenovo\OneDrive\Desktop\java-docker-app\java-docker-app>
```

Docker Desktop

Upgrade plan

Search

Ctrl+K

immin...

Containers

Images

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Add Extensions

Containers

Give feedback

A container packages up code and its dependencies so the application runs quickly and reliably from one computing environment to another. [Learn more](#)

Only show running containers

Search

	Name	Image	Status	Port(s)	Started	Actions
<input type="checkbox"/>	0858fa3e91f5	ubuntu	Exited (200)			<div></div> <div></div> <div></div>
<input type="checkbox"/>	zealous_maxwell 1a07f276bb73	ubuntu	Exited (255)			<div></div> <div></div> <div></div>
<input type="checkbox"/>	hungry_shamir d8e6900de34b	java-app	Exited			<div></div> <div></div> <div></div>
<input type="checkbox"/>	laughing_albattani 579301a74cba	java-app	Exited (1)			<div></div> <div></div> <div></div>
<input type="checkbox"/>	wizardly_dubinsky d6c2f7b88aff	java-app	Exited (1)			<div></div> <div></div> <div></div>
<input type="checkbox"/>	keen_hellman 40045c28b63f	java-app	Exited (1)			<div></div> <div></div> <div></div>
<input type="checkbox"/>	silly_thompson e325346e54bd	hello-world	Exited			<div></div> <div></div> <div></div>
<input type="checkbox"/>	redhatcontainer b18c6ea7f80b	redhat/ubi8	Created			<div></div> <div></div> <div></div>
<input type="checkbox"/>	gracious_ellon d60aea95729b	redhat/ubi8	Exited (127)			<div></div> <div></div> <div></div>
<input type="checkbox"/>	distracted_elbakyan 7b54c1d68991	java-app	Exited			<div></div> <div></div> <div></div>

Showing 11 items

RAM 2.95 GB CPU 0.10%





















Connected to Hub

v4.16.3

Local Hub

Last refresh: 24 minutes ago

Search

	Name	Tag	Status	Created	Size	Actions
<input type="checkbox"/>	java-app 94c625372779 	latest	In use	1 day ago	526.05 MB	  
<input type="checkbox"/>	<none> 3f510a961f0c 	<none>	In use (dangliu)	1 day ago	526.05 MB	  
<input type="checkbox"/>	redhat/ubi8 55e87c8c55a8 	latest	In use	11 days ago	206.67 MB	  
<input type="checkbox"/>	ubuntu 58db3edaf2be 	latest	In use	23 days ago	77.8 MB	  
<input type="checkbox"/>	hello-world feb5d9fea0a5 	latest	In use	over 1 year ago	13.25 KB	  

Showing 5 items