Assignment 2(B)

Create Docker Container Environment (NVIDEIA Docker or any other).

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Windows PowerShell
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows
PS C:\Users\exam> docker ps
CONTAINER ID IMAGE COMMAND CRI
PS C:\Users\exam> docker pull openjdk
                                       COMMAND CREATED STATUS PORTS
                                                                                                     NAMES
Using default tag: latest
latest: Pulling from library/openjdk
197c1adcd755: Pull complete
57b698b7af4b: Pull complete
 95a27dbe0150: Pull complete
Soaz/abevi59: Put: Complete
Digest: sha256:9b448de897d211c9e0ec635a485650aed6e28d4ecalefbc34940560a480b3f1f
Status: Downloaded newer image for openjdk:latest
docker.io/library/openjdk:latest
PS C:\Users\exam> docker image
Usage: docker image COMMAND
Manage images
                      Build an image from a Dockerfile
Show the history of an image
Import the contents from a tarball to create a filesystem image
   build
   history
   import
                     Display detailed information on one or more images
Load an image from a tar archive or STDIN
   inspect
   load
                      List images
   ls
   prune
                      Remove unused images
                     Pull an image or a repository from a registry
Push an image or a repository to a registry
Remove one or more images
   pull
   push
   rm
                     Save one or more images to a tar archive (streamed to STDOUT by default) Create a tag TARGET_IMAGE that refers to SOURCE_IMAGE
    save
   tag
```

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Run 'docker image COMMAND --help' for more information on a command.
PS C:\Users\exam> docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

openjdk latest 71260f256d19 2 years ago 470MB

PS C:\Users\exam> docker run —name java —it —d openjdk
PS C:\Users\exam> docker run —-name java --t -d openjdk
a88fa8cae35cd93104ca59cb9b5a2090d6b00f4907bac6371959ca83b196903f
PS C:\Users\exam> docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS
a885fa8cae35c openjdk "jshell" 14 seconds ago Up 12 seconds
PS C:\Users\exam> docker exec -it java jshell
Welcome to JShell —- Version 18.0.2.1
                                                                                                                              NAMES
    For an introduction type: /help intro
jshell> System.out.println("Hello World");
Hello World
 ishell> int a = 30:
 jshell> int b = 12;
b ==> 12
 jshell> System.out.println(a*b);
 jshell> System.out.println(a+b);
 jshell> /exit
 Goodbye
PS C:\Users\exam> docker ps
CONTAINER ID IMAGE COMMAND
CONTAINER ID IMAGE COMMAND a85fa8cae35c openjdk "jshell"
                                                         CREATED
                                                                                   STATUS
                                                                                                                           NAMES
                                                      2 minutes ago
                                                                                  Up 2 minutes
                                                                                                                           java
 PS C:\Users\exam> docker container rm a85fa8cae35c
Error response from daemon: You cannot remove a running container a85fa8cae35cd93104ca59cb9b5a2090d6b00f4907bac6371959ca83b196903f. Stop the contain
```