

## Phase 5 4.1 Build a Custom Docker Image

```
Command Prompt
Microsoft Windows [Version 10.0.19045.3208]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Akshatha>docker images
REPOSITORY    TAG       IMAGE ID   CREATED   SIZE
C:\Users\Akshatha>
```

docker images

```
Command Prompt
Microsoft Windows [Version 10.0.19045.3208]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Akshatha>docker images
REPOSITORY    TAG       IMAGE ID   CREATED   SIZE
C:\Users\Akshatha>docker -v
Docker version 24.0.2, build cb74dfc
C:\Users\Akshatha>
```

docker -v

# Phase 5 4.1 Build a Custom Docker Image

```
Command Prompt - wsl --update
Microsoft Windows [Version 10.0.19045.3208]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Akshatha>docker images
REPOSITORY      TAG              IMAGE ID         CREATED          SIZE
C:\Users\Akshatha>docker -v
Docker version 24.0.2, build cb74dfc
C:\Users\Akshatha>wsl --update
Installing: Windows Subsystem for Linux
```

## Wsl --update

```
Command Prompt - git clone https://github.com/Anuj1990/Docker.git
Microsoft Windows [Version 10.0.19045.3208]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Akshatha>docker images
REPOSITORY      TAG              IMAGE ID         CREATED          SIZE
C:\Users\Akshatha>docker -v
Docker version 24.0.2, build cb74dfc
C:\Users\Akshatha>wsl --update
Installing: Windows Subsystem for Linux
Windows Subsystem for Linux has been installed.
C:\Users\Akshatha>git clone https://github.com/Anuj1990/Docker.git
Cloning into 'Docker'...
```

git clone <https://github.com/Anuj1990/Docker.git>

# Phase 5 4.1 Build a Custom Docker Image

```
Command Prompt
Microsoft Windows [Version 10.0.19045.3208]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Akshatha>docker images
REPOSITORY      TAG              IMAGE ID         CREATED          SIZE
C:\Users\Akshatha>docker -v
Docker version 24.0.2, build cb74dfc

C:\Users\Akshatha>wsl --update
Installing: Windows Subsystem for Linux
Windows Subsystem for Linux has been installed.

C:\Users\Akshatha>git clone https://github.com/Anuj1990/Docker.git
Cloning into 'Docker'...
remote: Enumerating objects: 168, done.
remote: Receiving objects: 100% (168/168), 63
remote: Counting objects: 100% (50/50), done.
remote: Compressing objects: 100% (17/17), done.
remote: Total 168 (delta 47), reused 33 (delta 33), pack-reused 118
Resolving deltas: 100% (71/71), done.

C:\Users\Akshatha>
C:\Users\Akshatha>
C:\Users\Akshatha>cd Docker
C:\Users\Akshatha\>
```

## Cd Docker

```
Command Prompt
C:\Users\Akshatha>docker images
REPOSITORY      TAG              IMAGE ID         CREATED          SIZE
C:\Users\Akshatha>docker -v
Docker version 24.0.2, build cb74dfc

C:\Users\Akshatha>wsl --update
Installing: Windows Subsystem for Linux
Windows Subsystem for Linux has been installed.

C:\Users\Akshatha>git clone https://github.com/Anuj1990/Docker.git
Cloning into 'Docker'...
remote: Enumerating objects: 168, done.
remote: Receiving objects: 100% (168/168), 63
remote: Counting objects: 100% (50/50), done.
remote: Compressing objects: 100% (17/17), done.
remote: Total 168 (delta 47), reused 33 (delta 33), pack-reused 118
Resolving deltas: 100% (71/71), done.

C:\Users\Akshatha>
C:\Users\Akshatha>
C:\Users\Akshatha>cd Docker
C:\Users\Akshatha\>

C:\Users\Akshatha\>dir
Volume in drive C has no label.
Volume Serial Number is 24B1-624F

Directory of C:\Users\Akshatha\>

31/07/2023  14:08    <DIR>          .
31/07/2023  14:08    <DIR>          ..
31/07/2023  14:08    <DIR>          .github
31/07/2023  14:08                535 Dockerfile
31/07/2023  14:08                756 Jenkinsfile
31/07/2023  14:08                1,542 Kubernetes
31/07/2023  14:08                11,527 LICENSE
31/07/2023  14:08                1,242 NOTICE.md
31/07/2023  14:08                224 README.md
31/07/2023  14:08                1,416 simple-app-task-def.json
31/07/2023  14:08    <DIR>          src
31/07/2023  14:08                7 File(s)      17,242 bytes
31/07/2023  14:08                4 Dir(s)      40,063,082,496 bytes free

C:\Users\Akshatha\>
```

## Dir

# Phase 5 4.1 Build a Custom Docker Image

```
Command Prompt
Receiving objects: 100% (168/168), 63
remote: Counting objects: 100% (50/50), done.
remote: Compressing objects: 100% (17/17), done.
remote: Total 168 (delta 47), reused 33 (delta 33), pack-reused 118
Resolving deltas: 100% (71/71), done.

C:\Users\Akshatha>
C:\Users\Akshatha>
C:\Users\Akshatha>cd Docker

C:\Users\Akshatha\Docker>dir
Volume in drive C has no label.
Volume Serial Number is 2481-624F

Directory of C:\Users\Akshatha\Docker

31/07/2023 14:08 <DIR> .
31/07/2023 14:08 <DIR> ..
31/07/2023 14:08 <DIR> .github
31/07/2023 14:08 535 Dockerfile
31/07/2023 14:08 756 Jenkinsfile
31/07/2023 14:08 1,542 Kubernetes
31/07/2023 14:08 11,527 LICENSE
31/07/2023 14:08 1,242 NOTICE.md
31/07/2023 14:08 224 README.md
31/07/2023 14:08 1,416 simple-app-task-def.json
31/07/2023 14:08 <DIR> src
7 File(s) 17,242 bytes
4 Dir(s) 40,063,082,496 bytes free

C:\Users\Akshatha\Docker>dir src
Volume in drive C has no label.
Volume Serial Number is 2481-624F

Directory of C:\Users\Akshatha\Docker\src

31/07/2023 14:08 <DIR> .
31/07/2023 14:08 <DIR> ..
31/07/2023 14:08 <DIR> assets
31/07/2023 14:08 1,484 index.php
1 File(s) 1,484 bytes
3 Dir(s) 40,062,492,672 bytes free

C:\Users\Akshatha\Docker>
```

dir src

```
Command Prompt

31/07/2023 14:08 1,542 Kubernetes
31/07/2023 14:08 11,527 LICENSE
31/07/2023 14:08 1,242 NOTICE.md
31/07/2023 14:08 224 README.md
31/07/2023 14:08 1,416 simple-app-task-def.json
31/07/2023 14:08 <DIR> src
7 File(s) 17,242 bytes
4 Dir(s) 40,063,082,496 bytes free

C:\Users\Akshatha\Docker>dir src
Volume in drive C has no label.
Volume Serial Number is 2481-624F

Directory of C:\Users\Akshatha\Docker\src

31/07/2023 14:08 <DIR> .
31/07/2023 14:08 <DIR> ..
31/07/2023 14:08 <DIR> assets
31/07/2023 14:08 1,484 index.php
1 File(s) 1,484 bytes
3 Dir(s) 40,062,492,672 bytes free

C:\Users\Akshatha\Docker>dir
Volume in drive C has no label.
Volume Serial Number is 2481-624F

Directory of C:\Users\Akshatha\Docker

31/07/2023 14:08 <DIR> .
31/07/2023 14:08 <DIR> ..
31/07/2023 14:08 <DIR> .github
31/07/2023 14:08 535 Dockerfile
31/07/2023 14:08 756 Jenkinsfile
31/07/2023 14:08 1,542 Kubernetes
31/07/2023 14:08 11,527 LICENSE
31/07/2023 14:08 1,242 NOTICE.md
31/07/2023 14:08 224 README.md
31/07/2023 14:08 1,416 simple-app-task-def.json
31/07/2023 14:08 <DIR> src
7 File(s) 17,242 bytes
4 Dir(s) 40,063,057,920 bytes free

C:\Users\Akshatha\Docker>
```

dir

# Phase 5 4.1 Build a Custom Docker Image

```
Command Prompt - docker build -t phpcode --output type=docker .

31/07/2023 14:08 <DIR> .
31/07/2023 14:08 <DIR> ..
31/07/2023 14:08 <DIR> .github
31/07/2023 14:08 535 Dockerfile
31/07/2023 14:08 756 Jenkinsfile
31/07/2023 14:08 1,542 Kubernetes
31/07/2023 14:08 11,527 LICENSE
31/07/2023 14:08 1,242 NOTICE.md
31/07/2023 14:08 224 README.md
31/07/2023 14:08 1,416 simple-app-task-def.json
31/07/2023 14:08 <DIR> src
31/07/2023 14:08 7 File(s) 17,242 bytes
31/07/2023 14:08 4 Dir(s) 40,063,082,496 bytes free

C:\Users\Akshatha\docker>dir src
Volume in drive C has no label.
Volume Serial Number is 24B1-624F

Directory of C:\Users\Akshatha\docker\src

31/07/2023 14:08 <DIR> .
31/07/2023 14:08 <DIR> ..
31/07/2023 14:08 <DIR> assets
31/07/2023 14:08 1,484 index.php
31/07/2023 14:08 1 File(s) 1,484 bytes
31/07/2023 14:08 3 Dir(s) 40,062,492,672 bytes free

[*] Building 42.3s (4/11)
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 574B
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [internal] load metadata for docker.io/library/ubuntu:latest
=> [1/7] FROM docker.io/library/ubuntu:latest@sha256:0bced47ffffa3361afa981854fcabcd4577cd43cebbb808cea2b1f33a3dd7f508
=> => resolve docker.io/library/ubuntu:latest@sha256:0bced47ffffa3361afa981854fcabcd4577cd43cebbb808cea2b1f33a3dd7f508
=> => sha256:0bced47ffffa3361afa981854fcabcd4577cd43cebbb808cea2b1f33a3dd7f508 1.13kB / 1.13kB
=> => sha256:b060fffe1561c9c3e6dea6db487b900100fc26830b9ea2ec966c151ab4c020 424B / 424B
=> => sha256:5a81c408502e4979e75b08f91343b05b0d095ab07f241dbed0d1530a35bde1eb 2.30kB / 2.30kB
=> => sha256:3153aa308d02c26a2235e1ed0163e350e451f41a8a313e1804d7e1afb857ab4 29.53MB / 29.53MB
=> => extracting sha256:3153aa308d02c26a2235e1ed0163e350e451f41a8a313e1804d7e1afb857ab4
=> [internal] load build context
=> => transferring context: 153.37kB
31/07/2023 14:08 1,416 simple-app-task-def.json
```

docker build -t phpcode --output type=docker .

```
Administrator: Command Prompt

Directory of C:\Windows\System32\docker

31/07/2023 14:25 <DIR> .
31/07/2023 14:25 <DIR> ..
31/07/2023 14:25 <DIR> .github
31/07/2023 14:25 535 Dockerfile
31/07/2023 14:25 756 Jenkinsfile
31/07/2023 14:25 1,542 Kubernetes
31/07/2023 14:25 11,527 LICENSE
31/07/2023 14:25 1,242 NOTICE.md
31/07/2023 14:25 224 README.md
31/07/2023 14:25 1,416 simple-app-task-def.json
31/07/2023 14:25 <DIR> src
31/07/2023 14:25 7 File(s) 17,242 bytes
31/07/2023 14:25 4 Dir(s) 38,826,541,056 bytes free

C:\Windows\System32\docker>docker build -t phpcode --output type=docker .
[*] Building 444.3s (12/12) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 574B
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [internal] load metadata for docker.io/library/ubuntu:latest
=> [1/7] FROM docker.io/library/ubuntu:latest@sha256:0bced47ffffa3361afa981854fcabcd4577cd43cebbb808cea2b1f33a3dd7f508
=> => transferring context: 153.37kB
=> => CACHED [2/7] RUN apt-get update -y
=> [3/7] RUN apt-get install -y git curl apache2 php libapache2-mod-php php-mysql 407.7s
=> [4/7] RUN rm -rf /var/www/html/*
=> [5/7] ADD src /var/www/html/
=> [6/7] RUN a2enmod rewrite
=> [7/7] RUN chown -R www-data:www-data /var/www/html
=> => exporting image
=> => exporting layers
=> => writing image sha256:e63db0d31f26041fa3c2ee795576c39ac850443f717fce18628215475deac08c
=> => naming to docker.io/library/phpcode
0.3s

C:\Windows\System32\docker>docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
phpcode latest e63db0d31f26 37 minutes ago 276MB

C:\Windows\System32\docker>
```

docker images

# Phase 5 4.1 Build a Custom Docker Image

```
Administrator: Command Prompt

31/07/2023 14:25 <DIR> .
31/07/2023 14:25 <DIR> ..
31/07/2023 14:25 <DIR> .github
31/07/2023 14:25 535 Dockerfile
31/07/2023 14:25 756 Jenkinsfile
31/07/2023 14:25 1,542 Kubernetes
31/07/2023 14:25 11,527 LICENSE
31/07/2023 14:25 1,242 NOTICE.md
31/07/2023 14:25 224 README.md
31/07/2023 14:25 1,416 simple-app-task-def.json
31/07/2023 14:25 <DIR> src
31/07/2023 14:25 7 File(s) 17,242 bytes
31/07/2023 14:25 4 Dir(s) 38,826,541,056 bytes free

C:\Windows\System32\Docker>docker build -t phpcode --output type=docker .
[*] Building 444.3s (12/12) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 574B
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [internal] load metadata for docker.io/library/ubuntu:latest
=> [1/7] FROM docker.io/library/ubuntu:latest@sha256:0bced47fffa3361afa981854fcabcd4577cd43cebbb808cea2b1f33a3dd7f508
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=> [3/7] RUN apt-get install -y git curl apache2 php libapache2-mod-php php-mysql
=> [4/7] RUN rm -rf /var/www/html/*
=> [5/7] ADD src /var/www/html/
=> [6/7] RUN a2enmod rewrite
=> [7/7] RUN chown -R www-data:www-data /var/www/html
=> exporting to image
=> => exporting layers
=> => writing image sha256:e63db0d31f26041fa3c2ee795576c39ac850443f717fce18628215475deac08c
=> => naming to docker.io/library/phpcode

C:\Windows\System32\Docker>docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
phpcode latest e63db0d31f26 37 minutes ago 276MB

C:\Windows\System32\Docker>docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

C:\Windows\System32\Docker>
```

## Docker ps

```
Administrator: Command Prompt

31/07/2023 14:25 1,542 Kubernetes
31/07/2023 14:25 11,527 LICENSE
31/07/2023 14:25 1,242 NOTICE.md
31/07/2023 14:25 224 README.md
31/07/2023 14:25 1,416 simple-app-task-def.json
31/07/2023 14:25 <DIR> src
31/07/2023 14:25 7 File(s) 17,242 bytes
31/07/2023 14:25 4 Dir(s) 38,826,541,056 bytes free

C:\Windows\System32\Docker>docker build -t phpcode --output type=docker .
[*] Building 444.3s (12/12) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 574B
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [internal] load metadata for docker.io/library/ubuntu:latest
=> [1/7] FROM docker.io/library/ubuntu:latest@sha256:0bced47fffa3361afa981854fcabcd4577cd43cebbb808cea2b1f33a3dd7f508
=> [internal] load build context
=> => transferring context: 153.37kB
=> CACHED [2/7] RUN apt-get update -y
=> [3/7] RUN apt-get install -y git curl apache2 php libapache2-mod-php php-mysql
=> [4/7] RUN rm -rf /var/www/html/*
=> [5/7] ADD src /var/www/html/
=> [6/7] RUN a2enmod rewrite
=> [7/7] RUN chown -R www-data:www-data /var/www/html
=> exporting to image
=> => exporting layers
=> => writing image sha256:e63db0d31f26041fa3c2ee795576c39ac850443f717fce18628215475deac08c
=> => naming to docker.io/library/phpcode

C:\Windows\System32\Docker>docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
phpcode latest e63db0d31f26 37 minutes ago 276MB

C:\Windows\System32\Docker>docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

C:\Windows\System32\Docker>docker run -d --name <container_name> -p 80:80 phpcode
The system cannot find the file specified.

C:\Windows\System32\Docker>docker run -d --name My-phpContainer -p 80:80 phpcode
f2f9a145d7ad618285a96306e8a85c4e22cec8a13b22fcee5047d89c972a11b

C:\Windows\System32\Docker>
```

docker run -d --name My-phpContainer -p 80:80 phpcode

-p→port number

My-phpContainer →containername

Phpcode→projectname image

# Phase 5 4.1 Build a Custom Docker Image

```
Administrator: Command Prompt
31/07/2023 14:25 1,416 simple-app-task-def.json
31/07/2023 14:25 <DIR> src
7 File(s) 17,242 bytes
4 Dir(s) 38,826,541,056 bytes free

C:\Windows\System32\docker>docker build -t phpcode --output type=docker .
[+] Building 444.3s (12/12) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 574B
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [internal] load metadata for docker.io/library/ubuntu:latest
=> [1/7] FROM docker.io/library/ubuntu:latest@sha256:0bced47fffa3361afa981854fcabcd4577cd43cebbb808cea2b1f33a3dd7f508
=> [internal] load build context
=> => transferring context: 153.37kB
=> CACHED [2/7] RUN apt-get update -y
=> [3/7] RUN apt-get install -y git curl apache2 php libapache2-mod-php php-mysql
=> [4/7] RUN rm -rf /var/www/html/*
=> [5/7] ADD src /var/www/html/
=> [6/7] RUN a2enmod rewrite
=> [7/7] RUN chown -R www-data:www-data /var/www/html
=> exporting to image
=> => exporting layers
=> => writing image sha256:e63db0d31f26041fa3c2ee795576c39ac850443f717fce18628215475deac08c
=> => naming to docker.io/library/phpcode

C:\Windows\System32\docker>docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
phpcode latest e63db0d31f26 37 minutes ago 276MB

C:\Windows\System32\docker>docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

C:\Windows\System32\docker>docker run -d --name <container_name> -p 80:80 phpcode
The system cannot find the file specified.

C:\Windows\System32\docker>docker run -d --name My-phpContainer -p 80:80 phpcode
f2f9a145d7ad618285a96306e8a85c4e22cec8a13b22fcee5047d89c972a11b

C:\Windows\System32\docker>docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
f2f9a145d7ad phpcode "/usr/sbin/apache2 -..." About a minute ago Up 47 seconds 0.0.0.0:80->80/tcp My-phpContainer

C:\Windows\System32\docker>
```

Docker ps

Login docker hub give all credtional

Afrer

```
Administrator: Command Prompt - docker login
7 File(s) 17,242 bytes
4 Dir(s) 38,826,541,056 bytes free

C:\Windows\System32\docker>docker build -t phpcode --output type=docker .
[+] Building 444.3s (12/12) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 574B
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [internal] load metadata for docker.io/library/ubuntu:latest
=> [1/7] FROM docker.io/library/ubuntu:latest@sha256:0bced47fffa3361afa981854fcabcd4577cd43cebbb808cea2b1f33a3dd7f508
=> [internal] load build context
=> => transferring context: 153.37kB
=> CACHED [2/7] RUN apt-get update -y
=> [3/7] RUN apt-get install -y git curl apache2 php libapache2-mod-php php-mysql
=> [4/7] RUN rm -rf /var/www/html/*
=> [5/7] ADD src /var/www/html/
=> [6/7] RUN a2enmod rewrite
=> [7/7] RUN chown -R www-data:www-data /var/www/html
=> exporting to image
=> => exporting layers
=> => writing image sha256:e63db0d31f26041fa3c2ee795576c39ac850443f717fce18628215475deac08c
=> => naming to docker.io/library/phpcode

C:\Windows\System32\docker>docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
phpcode latest e63db0d31f26 37 minutes ago 276MB

C:\Windows\System32\docker>docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

C:\Windows\System32\docker>docker run -d --name <container_name> -p 80:80 phpcode
The system cannot find the file specified.

C:\Windows\System32\docker>docker run -d --name My-phpContainer -p 80:80 phpcode
f2f9a145d7ad618285a96306e8a85c4e22cec8a13b22fcee5047d89c972a11b

C:\Windows\System32\docker>docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
f2f9a145d7ad phpcode "/usr/sbin/apache2 -..." About a minute ago Up 47 seconds 0.0.0.0:80->80/tcp My-phpContainer

C:\Windows\System32\docker>docker login
Authenticating with existing credentials...
```

Docker login

# Phase 5 4.1 Build a Custom Docker Image

```
Administrator: Command Prompt
C:\Windows\System32\cmd.exe
> docker build -t phpcode .
[+] Building 1.8s
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 574B 0.1s
=> [internal] load .dockerignore
=> => transferring context: 2B 0.1s
=> [internal] load metadata for docker.io/library/ubuntu:latest
=> [1/7] FROM docker.io/library/ubuntu:latest@sha256:0bced47fffa3361afa981854fcabcd4577cd43cebbb808cea2b1f33a3dd7f508 5.9s
=> [internal] load build context
=> => transferring context: 153.37kB 1.5s
=> CACHED [2/7] RUN apt-get update -y 0.1s
=> [3/7] RUN apt-get install -y git curl apache2 php libapache2-mod-php php-mysql 407.7s
=> [4/7] RUN rm -rf /var/www/html/* 2.9s
=> [5/7] ADD src /var/www/html/ 1.8s
=> [6/7] RUN a2enmod rewrite 3.0s
=> [7/7] RUN chown -R www-data:www-data /var/www/html 3.5s
=> exporting to image 12.5s
=> => exporting layers 12.0s
=> => writing image sha256:e63db0d31f26041fa3c2ee795576c39ac850443f717fce18628215475deac08c 0.2s
=> => naming to docker.io/library/phpcode 0.3s

C:\Windows\System32\cmd.exe
C:\Windows\System32\cmd.exe> docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
phpcode latest e63db0d31f26 37 minutes ago 276MB

C:\Windows\System32\cmd.exe> docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

C:\Windows\System32\cmd.exe> docker run -d --name <container_name> -p 80:80 phpcode
The system cannot find the file specified.

C:\Windows\System32\cmd.exe> docker run -d --name My-phpContainer -p 80:80 phpcode
f2f9a145d7ad618285a96306e8a85c4e22cec8a13b22fcee5047d89c972a11b

C:\Windows\System32\cmd.exe> docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
f2f9a145d7ad phpcode "/usr/sbin/apache2 -..." About a minute ago Up 47 seconds 0.0.0.0:80->80/tcp My-phpContainer

C:\Windows\System32\cmd.exe> docker login
Authenticating with existing credentials...
Login Succeeded

Logging in with your password grants your terminal complete access to your account.
For better security, log in with a limited-privilege personal access token. Learn more at https://docs.docker.com/go/access-tokens/

C:\Windows\System32\cmd.exe>
```

```
Administrator: Command Prompt
C:\Windows\System32\cmd.exe
> docker run -d --name My-phpContainer -p 80:80 phpcode
f2f9a145d7ad618285a96306e8a85c4e22cec8a13b22fcee5047d89c972a11b

C:\Windows\System32\cmd.exe> docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
f2f9a145d7ad phpcode "/usr/sbin/apache2 -..." About a minute ago Up 47 seconds 0.0.0.0:80->80/tcp My-phpContainer

C:\Windows\System32\cmd.exe> docker login
Authenticating with existing credentials...
Login Succeeded

Logging in with your password grants your terminal complete access to your account.
For better security, log in with a limited-privilege personal access token. Learn more at https://docs.docker.com/go/access-tokens/

C:\Windows\System32\cmd.exe> docker login --username akshugupta
Password:
Logging in with your password grants your terminal complete access to your account.
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C:\Windows\System32\cmd.exe> docker login --username akshugupta
Password:
Login Succeeded

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C:\Windows\System32\cmd.exe>
```

C:\Windows\System32\cmd.exe>docker login --username akshugupta

Password:docker@121

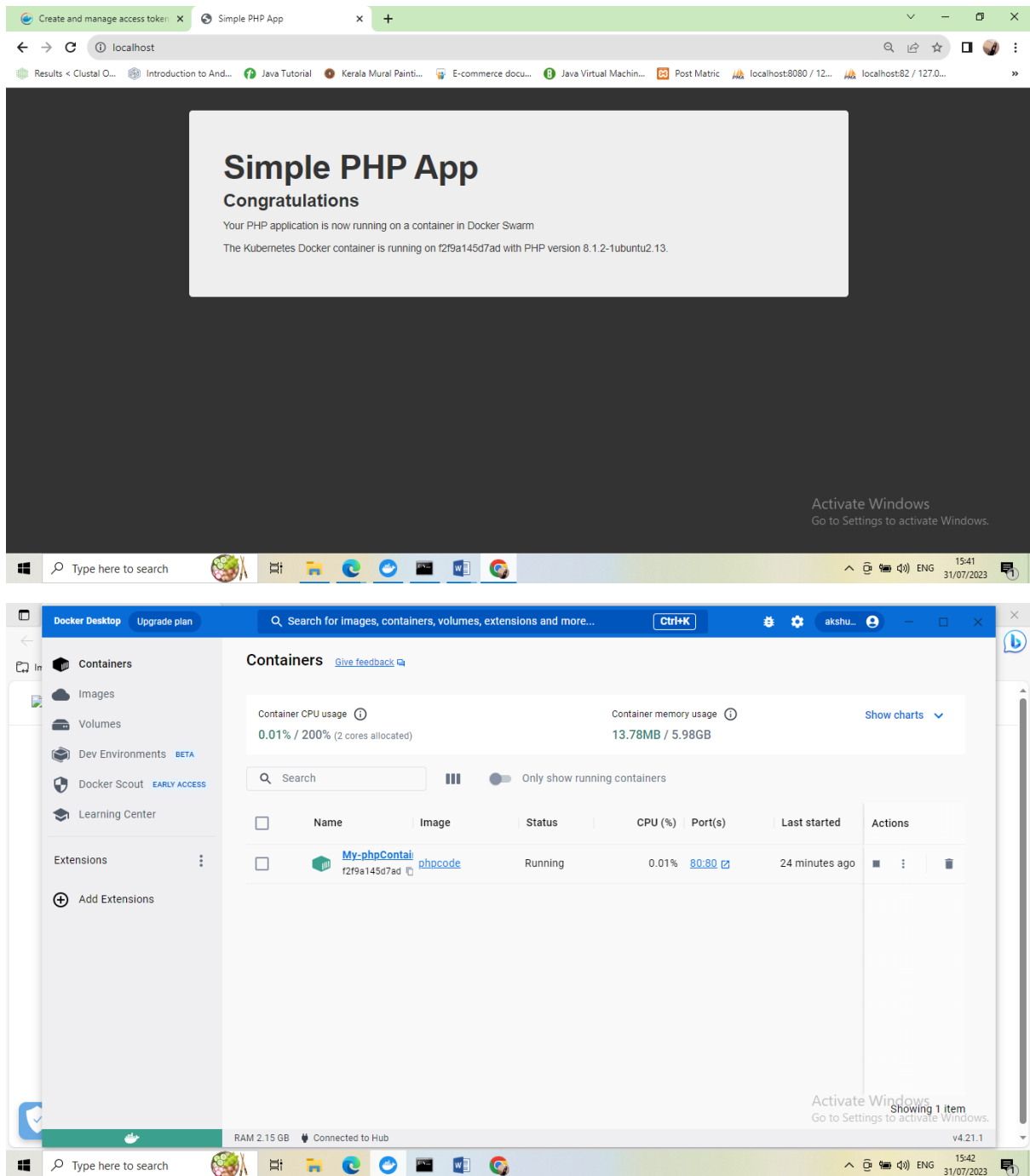
Login Succeeded

After type in localhost

Localhost:80



# Phase 5 4.1 Build a Custom Docker Image



If localhost not worked try ip address and port num

<http://192.168.99.100/>

if you want to stop the docker container

docker stop command

# Phase 5 4.1 Build a Custom Docker Image

```
Administrator: Command Prompt

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C:\Windows\System32\Docker>docker login --username akshugupta
Password:
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Password:
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C:\Windows\System32\Docker>docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
phpcode latest e63db0d31f26 About an hour ago 276MB

C:\Windows\System32\Docker>docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
f2f9a145d7ad phpcode "/usr/sbin/apache2 -..." 32 minutes ago Up 31 minutes 0.0.0.0:80->80/tcp My-phpContainer

C:\Windows\System32\Docker>docker stop
"docker stop" requires at least 1 argument.
See 'docker stop --help'.

Usage: docker stop [OPTIONS] CONTAINER [CONTAINER...]

Stop one or more running containers

C:\Windows\System32\Docker>docker stop f2f9a145d7ad
f2f9a145d7ad

C:\Windows\System32\Docker>
```

docker stop container id

docker stop f2f9a145d7ad

```
Administrator: Command Prompt

C:\Windows\System32\Docker>docker login --username akshugupta
Password:
Login Succeeded

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C:\Windows\System32\Docker>docker login --username akshugupta
Password:
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C:\Windows\System32\Docker>docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
phpcode latest e63db0d31f26 About an hour ago 276MB

C:\Windows\System32\Docker>docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
f2f9a145d7ad phpcode "/usr/sbin/apache2 -..." 32 minutes ago Up 31 minutes 0.0.0.0:80->80/tcp My-phpContainer

C:\Windows\System32\Docker>docker stop
"docker stop" requires at least 1 argument.
See 'docker stop --help'.

Usage: docker stop [OPTIONS] CONTAINER [CONTAINER...]

Stop one or more running containers

C:\Windows\System32\Docker>docker stop f2f9a145d7ad
f2f9a145d7ad

C:\Windows\System32\Docker>docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
```

Here not yet created any container

After closing we can start container using this command

Docker start f2f9a145d7ad

# Phase 5 4.1 Build a Custom Docker Image

```
Administrator: Command Prompt
Login Succeeded

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REPOSITORY TAG IMAGE ID CREATED SIZE
phpcode latest e63db0d31f26 About an hour ago 276MB

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CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
f2f9a145d7ad phpcode "/usr/sbin/apache2 -..." 32 minutes ago Up 31 minutes 0.0.0.0:80->80/tcp My-phpContainer

C:\Windows\System32\Docker>docker stop
"docker stop" requires at least 1 argument.
See 'docker stop --help'.

Usage: docker stop [OPTIONS] CONTAINER [CONTAINER...]

Stop one or more running containers

C:\Windows\System32\Docker>docker stop f2f9a145d7ad
f2f9a145d7ad

C:\Windows\System32\Docker>docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
f2f9a145d7ad phpcode "/usr/sbin/apache2 -..." 32 minutes ago Up 31 minutes 0.0.0.0:80->80/tcp My-phpContainer

C:\Windows\System32\Docker>docker start f2f9a145d7ad
f2f9a145d7ad

C:\Windows\System32\Docker>
```

If you want to restart docker

Docker restart containerid

```
Administrator: Command Prompt
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C:\Windows\System32\Docker>docker login --username akshugupta
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phpcode latest e63db0d31f26 About an hour ago 276MB

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CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
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f2f9a145d7ad

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CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
f2f9a145d7ad phpcode "/usr/sbin/apache2 -..." 32 minutes ago Up 31 minutes 0.0.0.0:80->80/tcp My-phpContainer

C:\Windows\System32\Docker>docker start f2f9a145d7ad
f2f9a145d7ad

C:\Windows\System32\Docker>docker restart f2f9a145d7ad
f2f9a145d7ad

C:\Windows\System32\Docker>
```

# Phase 5 4.1 Build a Custom Docker Image

```
Administrator: Command Prompt

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REPOSITORY TAG IMAGE ID CREATED SIZE
phpcode latest e63db0d31f26 About an hour ago 276MB

C:\Windows\System32\Docker>docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
f2f9a145d7ad phpcode "/usr/sbin/apache2 -..." 32 minutes ago Up 31 minutes 0.0.0.0:80->80/tcp My-phpContainer

C:\Windows\System32\Docker>docker stop
"docker stop" requires at least 1 argument.
See 'docker stop --help'.

Usage: docker stop [OPTIONS] CONTAINER [CONTAINER...]

Stop one or more running containers

C:\Windows\System32\Docker>docker stop f2f9a145d7ad
f2f9a145d7ad

C:\Windows\System32\Docker>docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
f2f9a145d7ad phpcode "/usr/sbin/apache2 -..." 42 minutes ago Up 19 seconds 0.0.0.0:80->80/tcp My-phpContainer

C:\Windows\System32\Docker>docker start f2f9a145d7ad
f2f9a145d7ad

C:\Windows\System32\Docker>docker restart f2f9a145d7ad
f2f9a145d7ad

C:\Windows\System32\Docker>

C:\Windows\System32\Docker>
```

Docker ps