

## 1. Dockerfile Creation

- Create a **Dockerfile** to containerize your application (e.g., Python Flask ).
- Include all necessary dependencies, base image, and configuration instructions (e.g., EXPOSE, CMD, COPY, and RUN directives).

harivansh.py

```
from flask import Flask, render_template_string

app = Flask(__name__)

HTML_TEMPLATE = '''
<!doctype html>
<html lang="en">
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <title>Hello Harivansh</title>
  <style>

    body {
      font-family: Inter, Roboto, system-ui, -apple-system, "Segoe UI",
Arial, sans-serif;
      background: linear-gradient(135deg, #f5f7fa 0%, #c3cfe2 100%);
      margin: 0;
      height: 100vh;
      display: flex;
      align-items: center;
      justify-content: center;
    }

    .card {
      background: #ffffff;
      padding: 2rem 3rem;
      border-radius: 16px;
      box-shadow: 0 10px 30px rgba(15, 23, 42, 0.12);
      text-align: center;
    }
  </style>
</head>
<body>
  <div class="card">
    <h1>Hello Harivansh</h1>
  </div>
</body>
</html>
'''

@app.route("/")
def index():
    return render_template_string(HTML_TEMPLATE)
```

```

        transition: transform 0.25s ease, box-shadow 0.25s ease;
    }

    .card:hover {
        transform: translateY(-6px);
        box-shadow: 0 18px 40px rgba(15, 23, 42, 0.14);
    }

    h1 {
        margin: 0;
        font-size: 2.4rem;
        color: #0f172a;
        letter-spacing: -0.5px;
    }

    p {
        margin-top: 0.5rem;
        color: #475569;
    }

    @media (max-width: 480px) {
        .card { padding: 1.4rem 1.6rem; }
        h1 { font-size: 1.6rem; }
    }
</style>
</head>
<body>
    <div class="card">
        <h1>Hello Everyone </h1>
        <p>Welcome to my Flask Application</p>
        <p> made with love by Harivansh Bhardwaj</p>
    </div>
</body>
</html>
'''

@app.route('/')
def home():
    return render_template_string(HTML_TEMPLATE)

```

```
if __name__ == '__main__':  
  
    app.run(host='0.0.0.0', port=5000, debug=True)
```

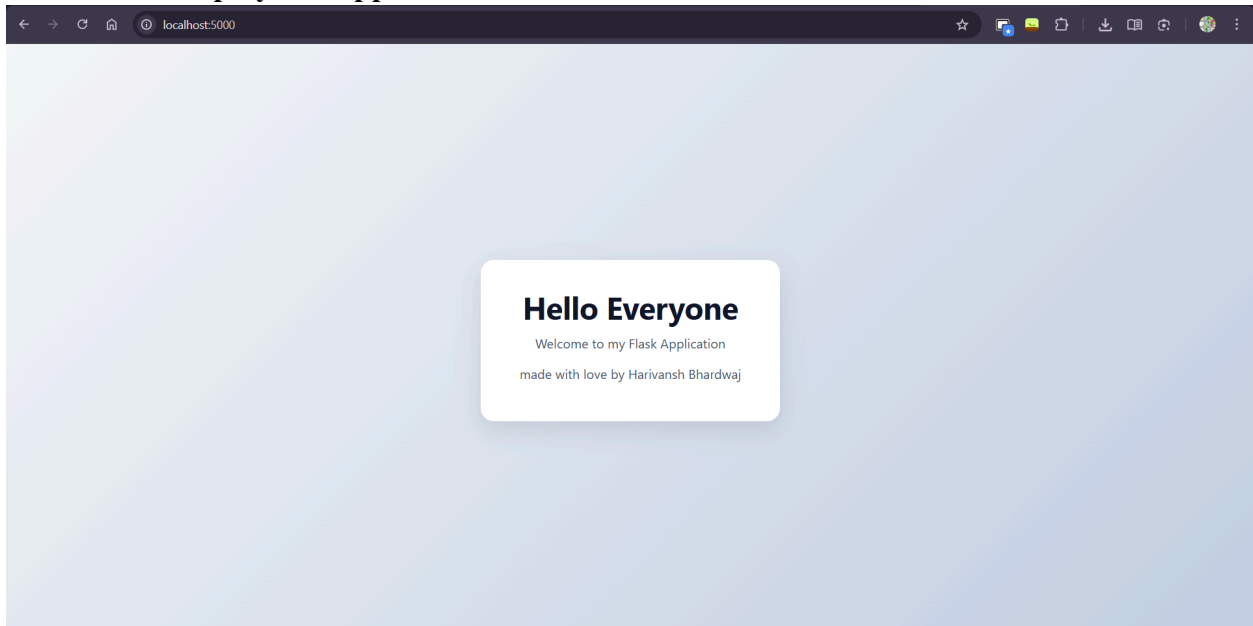
## Dockerfile

```
FROM python:3.13-slim  
  
COPY requirements.txt .  
  
RUN pip install -r requirements.txt  
  
EXPOSE 5000  
  
COPY . .  
  
CMD ["python", "harivansh.py"]
```

## Requirements.txt

```
flask
```

## 2. Build and Deploy the Application



```
Run 'docker run --help' for more information
PS D:\cdac pgdai\Classes\AITrends\Assignments\Assignment 2 Docker And DockerHub\Harivansh web app> docker build -t harivanshwebapp .
[+] Building 3.0s (10/10) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 182B
=> [internal] load metadata for docker.io/library/python:3.13-slim
=> [auth] library/python:pull token for registry-1.docker.io
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [1/4] FROM docker.io/library/python:3.13-slim@sha256:8d4ea9d6915221b2d78e39e0dea0c714a4affb73ba74e839dbf6f76c524f78e4
=> => resolve docker.io/library/python:3.13-slim@sha256:8d4ea9d6915221b2d78e39e0dea0c714a4affb73ba74e839dbf6f76c524f78e4
=> [internal] load build context
=> => transferring context: 1.91kB
=> CACHED [2/4] COPY requirements.txt .
=> CACHED [3/4] RUN pip install -r requirements.txt
=> CACHED [4/4] COPY . .
=> exporting to image
=> => exporting layers
=> => exporting manifest sha256:17cbf9755fa77db55a1752adcecad4f3ed10ceddd9e880bfe55ee17d0417d46a
=> => exporting config sha256:d8c2ba27d518a269f882a0363abec4f24138775791a403dfdbec824ade8ea5df
=> => exporting attestation manifest sha256:21d699a38d005081a19c5735bd3762a014446347ed8f026f2e7219dda22f88cb
=> => exporting manifest list sha256:a9ee24341ed7d716c6f9aa90b01a9127faffeebc2ad1970a943569f87782db7d
=> => naming to docker.io/library/harivanshwebapp:latest
=> => unpacking to docker.io/library/harivanshwebapp:latest
2.6s
```

```
View build details: docker-desktop://dashboard/build/desktop-linux/desktop-linux/jpgqpyxknedo95qlzg7waalg
```

```
PS D:\cdac pgdai\Classes\AITrends\Assignments\Assignment 2 Docker And DockerHub\Harivansh web app>
```

```
View build details: docker-desktop://dashboard/build/desktop-linux/desktop-linux/jpgqpyxknedo95qlzg7waalg
PS D:\cdac pgdai\Classes\AITrends\Assignments\Assignment 2 Docker And DockerHub\Harivansh web app> docker run -p 5000:5000 harivanshwebapp:latest
* Serving Flask app 'harivansh'
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on all addresses (0.0.0.0)
* Running on http://127.0.0.1:5000
* Running on http://172.17.0.2:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 456-762-695
```

docker.desktop

PERSONAL

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Container CPU usage

0.50% / 1200% (12 CPUs available)

Container memory usage

46.39MB / 7.26GB

Show charts

Search

Only show running containers

	Name	Container ID	Image	Port(s)	CPU (%)	Last started	Actions
<input type="checkbox"/>	<input type="radio"/> condescending_mccarth	d23fa80bead0	jenkins/jenkins:its	8080:8080	0%	1 day ago	<div><div></div><div></div><div></div><div></div></div>
<input type="checkbox"/>	<input type="radio"/> vigilant_chatelet	95cd4536abb1	jupyter/base-notebook	8888:8888	0%	1 day ago	<div><div></div><div></div><div></div><div></div></div>
<input type="checkbox"/>	<input type="radio"/> interesting_tesla	2edab37bfa68	ubuntu		0%	2 days ago	<div><div></div><div></div><div></div><div></div></div>
<input type="checkbox"/>	<input type="radio"/> hungry_shamir	835a09b43794	centos:centos7.9.2009		0%	2 days ago	<div><div></div><div></div><div></div><div></div></div>
<input type="checkbox"/>	<input checked="" type="radio"/> hungry_pascal	7ae09d5bd362	harivanshwebapp:latest	5000:5000	0.5%	23 seconds ago	<div><div></div><div></div><div></div><div></div></div>

Local

My Hub

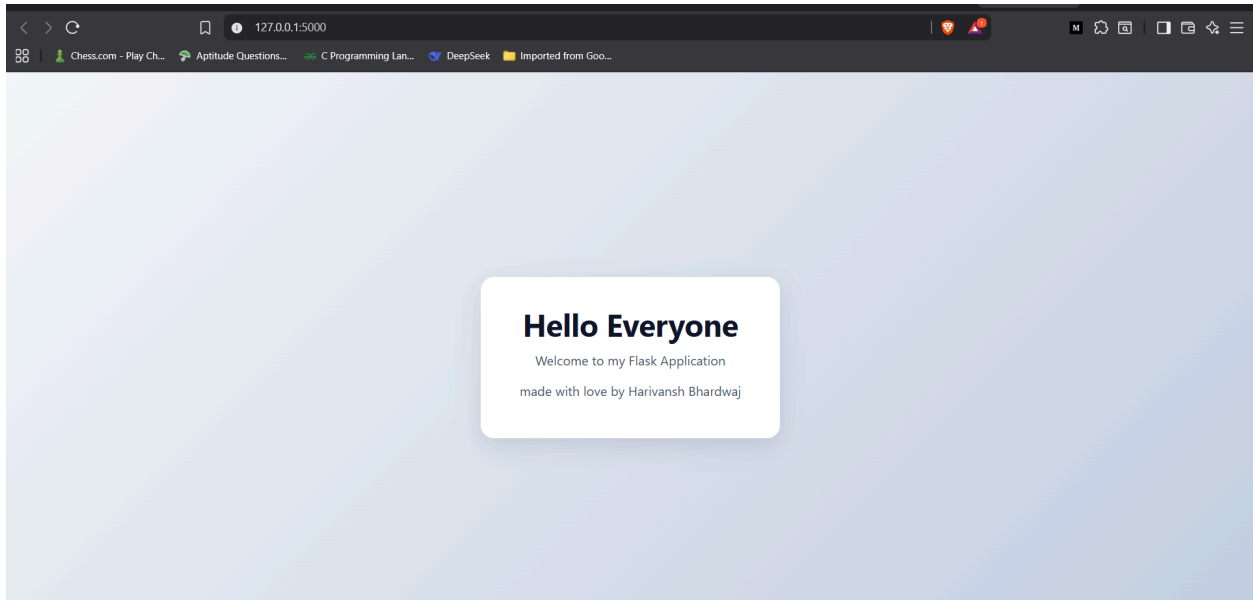
2.13 GB / 4.2 GB in use

8 images

Last refresh: 23 hours ago

Search

	Name	Tag	Image ID	Created	Size	Actions
<input type="checkbox"/>	<input type="radio"/> harivanshx/pgdaitrendsdocker	current	69d46b301830	23 hours ago	174.94 MB	<div><div></div><div></div><div></div><div></div></div>
<input type="checkbox"/>	<input type="radio"/> harivanshx	latest	69d46b301830	23 hours ago	174.94 MB	<div><div></div><div></div><div></div><div></div></div>
<input type="checkbox"/>	<input type="radio"/> harivanshx/pgdaitrendsdocker	0.01	cee4ebd1a517	2 days ago	1.33 GB	<div><div></div><div></div><div></div><div></div></div>
<input type="checkbox"/>	<input type="radio"/> harivansh	latest	cee4ebd1a517	2 days ago	1.33 GB	<div><div></div><div></div><div></div><div></div></div>
<input type="checkbox"/>	<input checked="" type="radio"/> ubuntu	latest	728785b59223	8 days ago	117.31 MB	<div><div></div><div></div><div></div><div></div></div>
<input type="checkbox"/>	<input checked="" type="radio"/> jenkins/jenkins	its	ace160331258	21 days ago	783.31 MB	<div><div></div><div></div><div></div><div></div></div>
<input type="checkbox"/>	<input type="radio"/> hello-world	latest	54e66cc1dd1f	2 months ago	20.34 KB	<div><div></div><div></div><div></div><div></div></div>
<input type="checkbox"/>	<input checked="" type="radio"/> jupyter/base-notebook	latest	8c90397	2 years ago	1.47 GB	<div><div></div><div></div><div></div><div></div></div>
<input type="checkbox"/>	<input checked="" type="radio"/> centos	centos7.9.2009	be65f488b776	4 years ago	301.3 MB	<div><div></div><div></div><div></div><div></div></div>
<input type="checkbox"/>	<input checked="" type="radio"/> harivanshwebapp	latest	a9ee24341ed7	8 minutes ago	208.29 MB	<div><div></div><div></div><div></div><div></div></div>



### 3. Push Image to Docker Hub

- Capture a screenshot of your repository on Docker Hub showing the uploaded image.

```
PS D:\cdac pgdai\Classes\AITrends\Assignments\Assignment 2 Docker And DockerHub\Harivansh web app> docker tag harivanshwebapp:latest harivanshx/harivanshwebapp:tagname
```

```
PS D:\cdac pgdai\Classes\AITrends\Assignments\Assignment 2 Docker And DockerHub\Harivansh web app> docker push harivanshx/harivanshwebapp:tagname
The push refers to repository [docker.io/harivanshx/harivanshwebapp]
97385090cab0: Layer already exists
0940966600fc: Already exists
d680b830c1d8: Layer already exists
326ad4d2abf0: Pushed
8c7716127147: Layer already exists
077dea97cb30: Layer already exists
208bfab4bdf3: Pushed
eb47ef3fe06b: Pushed
tagname: digest: sha256:a9ee24341ed7d716c6f9aa90b01a9127faffeebc2ad1970a943569f87782db7d size: 856
```

harivanshx

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Hardened Images NEW

Collaborations

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Default privacy

Notifications

Billing

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Pulls

Storage

Repositories / harivanshwebapp / General

harivanshx/harivanshwebapp

Last pushed less than a minute ago · Repository size: 49.1 MB

Add a description

Add a category

General

Tags

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Tags

This repository contains 0 tag(s).

Tag	OS	Type	Pulled	Pushed
tagname		Image	less than 1 day	1 minute

See all

DOCKER SCOUT INACTIVE

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buildcloud

Build with Docker Build Cloud

Accelerate image build times with access to cloud-based builders and shared cache.

Docker Build Cloud executes builds on optimally-dimensioned cloud infrastructure with dedicated per-organization isolation.

Get faster builds through shared caching across your team, native multi-platform support, and encrypted data transfer - all without managing infrastructure.

Go to Docker Build Cloud

Using 0 of 1 private repositories.

Docker commands

To push a new tag to this repository:

docker push harivanshx/harivanshwebapp:tagname

Public view

PS C:\Users\hariv> docker images

REPOSITORY	TAG	IMAGE ID	CREATED
harivanshx/harivanshwebapp	tagname	a9ee24341ed7	13 hours ago
harivanshwebapp	latest	a9ee24341ed7	13 hours ago
harivanshx/pgdaitrendsdocker	current	69d46b301830	36 hours ago
harivanshx	latest	69d46b301830	36 hours ago
harivanshx/pgdaitrendsdocker	0.01	cee4ebd1a517	2 days ago
harivanshx	latest	cee4ebd1a517	2 days ago
ubuntu	latest	728785b59223	8 days ago
jenkins/jenkins	lts	ace160331258	3 weeks ago
hello-world	latest	54e66cc1dd1f	2 months ago
jupyter/base-notebook	latest	8c903974902b	23 months ago
centos	centos7.9.2009	be65f488b776	4 years ago

#### 4. Execution and Validation

- Execute all Docker commands on the terminal (Docker Desktop or Linux shell).
- Verify and document:
  - o Image creation (docker images)
  - o Running containers (docker ps)
  - o Logs (docker logs <container\_id>)
  - o Network details (docker network ls)

```
PS C:\Users\hariv> docker images
REPOSITORY          TAG                 IMAGE ID            CREATED
SIZE
harivanshx/harivanshwebapp    tagname            a9ee24341ed7       13 hours ago
208MB
harivanshxwebapp           latest             a9ee24341ed7       13 hours ago
208MB
harivanshx/pgdaitrendsdocker  current            69d46b301830       36 hours ago
175MB
harivanshx              latest             69d46b301830       36 hours ago
175MB
harivanshx/pgdaitrendsdocker  0.01               cee4ebd1a517       2 days ago
1.34GB
harivansh                latest             cee4ebd1a517       2 days ago
1.34GB
ubuntu                   latest             728785b59223       8 days ago
117MB
jenkins/jenkins           lts                ace160331258       3 weeks ago
783MB
hello-world              latest             54e66cc1dd1f       2 months ago
20.3kB
jupyter/base-notebook      latest             8c903974902b       23 months ago
1.48GB
centos                    centos7.9.2009     be65f488b776       4 years ago
301MB
```

```
PS C:\Users\hariv> docker ps
CONTAINER ID   IMAGE                  COMMAND                  CREATED
STATUS        PORTS                NAMES
36f9da0defaf   harivanshwebapp:latest "python harivansh.py"   3 seconds ag
o Up 3 seconds  5000/tcp               thirsty_agnesi
```



```

PS C:\Users\hariv> docker ps -a
CONTAINER ID   IMAGE                                COMMAND
CREATED        STATUS      PORTS
NAMES
d65a012730d5   harivanshwebapp:latest             "python harivansh.py"
 29 seconds ago Exited (0) 26 seconds ago
  thirsty_archimedes
2c89ea99f12b   harivanshwebapp:latest             "python harivansh.py"
 9 hours ago   Exited (255) 5 minutes ago   0.0.0.0:5000->5000/tcp
  nostalgic_bohr
3d7d8b381238   harivanshx/harivanshwebapp:tagname "python harivansh.py"
 11 hours ago   Exited (255) 5 minutes ago   5000/tcp
  serene_bose
d1cca8bcbf35   harivanshx/harivanshwebapp:tagname "python harivansh.py"
 11 hours ago   Exited (0) 11 hours ago
  sleepy_colden
7ae09d5bd362   harivanshwebapp:latest             "python harivansh.py"
 12 hours ago   Exited (0) 12 hours ago
  hungry_pascal
d23fa80bead0   jenkins/jenkins:lts               "/usr/bin/tini -- /u..."
 37 hours ago   Exited (255) 13 hours ago   0.0.0.0:8080->8080/tcp, 50000
/tcp
  condescending_mccarthy
95cd4536abb1   jupyter/base-notebook              "tini -g -- start-no..."
 37 hours ago   Exited (255) 13 hours ago   0.0.0.0:8888->8888/tcp
  vigilant_chatelet
2edab37bfa68   ubuntu                             "bash"
 2 days ago     Exited (137) 2 days ago
  interesting_tesla
835a09b43794   centos:centos7.9.2009              "/bin/bash"
 2 days ago     Exited (0) 2 days ago
  hungry_shamir

```

```

PS C:\Users\hariv> docker logs 36f9da0defaf
* Serving Flask app 'harivansh'
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on all addresses (0.0.0.0)
* Running on http://127.0.0.1:5000
* Running on http://172.17.0.2:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 769-358-284

```

```

PS C:\Users\hariv> docker network ls
NETWORK ID      NAME      DRIVER      SCOPE
c885b90d6291    bridge   bridge      local
00b82be0cb51    host     host        local
3e2fde8b85c8    none     null        local


```

Run the commands on Docker terminal

- o docker --version
- o docker pull
- o docker run
- o docker ps
- o docker ps -a
- o docker exec
- o docker stop
- o docker kill
- o docker commit
- o docker login
- o docker push
- o docker images
- o docker rm
- o docker rmi
- o docker build

```
PS C:\Users\hariv> docker login
```

```
Authenticating with existing credentials... [Username: harivanshx]
```

```
 Info → To login with a different account, run 'docker logout' followed by 'docker login'
```

```
PS C:\Users\hariv> docker pull harivanshx/harivanshwebapp:tagname
```

```
tagname: Pulling from harivanshx/harivanshwebapp
```

```
Digest: sha256:a9ee24341ed7d716c6f9aa90b01a9127faffeebc2ad1970a943569f87782db7d
```

```
Status: Image is up to date for harivanshx/harivanshwebapp:tagname
```

```
docker.io/harivanshx/harivanshwebapp:tagname
```

```
PS C:\Users\hariv> docker run harivanshwebapp:latest
* Serving Flask app 'harivansh'
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on all addresses (0.0.0.0)
* Running on http://127.0.0.1:5000
* Running on http://172.17.0.2:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 111-971-414
```

```
PS C:\Users\hariv> docker ps
CONTAINER ID   IMAGE                                COMMAND                  CREATED
STATUS        PORTS          NAMES
36f9da0defaf   harivanshwebapp:latest             "python harivansh.py"   3 seconds ago
Up 3 seconds   5000/tcp       thirsty_agnesi
```

```

PS C:\Users\hariv> docker ps -a
CONTAINER ID   IMAGE                                COMMAND
CREATED        STATUS          PORTS
NAMES
d65a012730d5   harivanshwebapp:latest             "python harivansh.py"
29 seconds ago Exited (0) 26 seconds ago
thirsty_archimedes
2c89ea99f12b   harivanshwebapp:latest             "python harivansh.py"
9 hours ago   Exited (255) 5 minutes ago   0.0.0.0:5000->5000/tcp
nostalgic_bohr
3d7d8b381238   harivanshx/harivanshwebapp:tagname "python harivansh.py"
11 hours ago   Exited (255) 5 minutes ago   5000/tcp
serene_bose
d1cca8bcbf35   harivanshx/harivanshwebapp:tagname "python harivansh.py"
11 hours ago   Exited (0) 11 hours ago
sleepy_colden
7ae09d5bd362   harivanshwebapp:latest             "python harivansh.py"
12 hours ago   Exited (0) 12 hours ago
hungry_pascal
d23fa80bead0   jenkins/jenkins:lts               "/usr/bin/tini -- /u..."
37 hours ago   Exited (255) 13 hours ago   0.0.0.0:8080->8080/tcp, 50000
/tcp
condescending_mccarthy
95cd4536abb1   jupyter/base-notebook             "tini -g -- start-no..."
37 hours ago   Exited (255) 13 hours ago   0.0.0.0:8888->8888/tcp
vigilant_chatelet
2edab37bfa68   ubuntu                             "bash"
2 days ago     Exited (137) 2 days ago
interesting_tesla
835a09b43794   centos:centos7.9.2009             "/bin/bash"
2 days ago     Exited (0) 2 days ago
hungry_shamir

```

```

PS C:\Users\hariv> docker ps
CONTAINER ID   IMAGE                                COMMAND          CREATED    STATU
S              PORTS          NAMES
36f9da0defaf   a9ee24341ed7 "python harivansh.py"  13 minutes ago Up 13
minutes
5000/tcp      thirsty_agnesi
PS C:\Users\hariv> docker exec -it thirsty_agnesi /bin/bash
root@36f9da0defaf:/#

```

```

PS C:\Users\hariv> docker rm 2edab37bfa68
2edab37bfa68
PS C:\Users\hariv> docker ps -a
CONTAINER ID   IMAGE                                COMMAND
CREATED        STATUS          PORTS          NAMES
36f9da0defaf   harivanshwebapp:latest             "python harivansh.py"
3 minutes ago  Up 3 minutes    5000/tcp
thirsty_agnesi
d65a012730d5   harivanshwebapp:latest             "python harivansh.py"
5 minutes ago  Exited (0) 5 minutes ago
thirsty_archimedes
2c89ea99f12b   harivanshwebapp:latest             "python harivansh.py"
9 hours ago    Exited (255) 10 minutes ago    0.0.0.0:5000->5000/tcp
nostalgic_bohr
3d7d8b381238   harivanshx/harivanshwebapp:tagname "python harivansh.py"
11 hours ago   Exited (255) 10 minutes ago    5000/tcp
serene_bose
d1cca8bcbf35   harivanshx/harivanshwebapp:tagname "python harivansh.py"
11 hours ago   Exited (0) 11 hours ago
sleepy_colden
7ae09d5bd362   harivanshwebapp:latest             "python harivansh.py"
13 hours ago   Exited (0) 12 hours ago
hungry_pascal
d23fa80bead0   jenkins/jenkins:lts               "/usr/bin/tini -- /u..."
37 hours ago   Exited (255) 13 hours ago    0.0.0.0:8080->8080/tcp, 50000
/tcp
condescending_mccarthy
95cd4536abb1   jupyter/base-notebook             "tini -g -- start-no..."
37 hours ago   Exited (255) 13 hours ago    0.0.0.0:8888->8888/tcp
vigilant_chatelet
835a09b43794   centos:centos7.9.2009             "/bin/bash"
2 days ago     Exited (0) 2 days ago

```

```

PS C:\Users\hariv> docker stop 36f9da0defaf
36f9da0defaf

```

```

PS C:\Users\hariv> docker ps
CONTAINER ID   IMAGE                                COMMAND
CREATED        STATUS          PORTS          NAMES
d6f07fcbd763   harivanshx/harivanshwebapp:tagname "python harivansh.py"
22 seconds ago  Up 21 seconds   5000/tcp      sleepy_ride
PS C:\Users\hariv> docker kill d6f07fcbd763
d6f07fcbd763

```

```
PS D:\cdac pgdai> docker commit -a "Harivansh Bhardwaj" -m "Added Some Text" 7fb4a46cf751 harivanshwebapp
sha256:bc3e84cdb6d434ef990660bf001e03a60b7a4112db8b3b0753167cb3097c3b4c
```

```
PS C:\Users\hariv> docker login
Authenticating with existing credentials... [Username: harivanshx]

Info → To login with a different account, run 'docker logout' followed by 'docker login'

Login Succeeded
```

```
PS C:\Users\hariv> docker pull harivanshx/harivanshwebapp:tagname
tagname: Pulling from harivanshx/harivanshwebapp
Digest: sha256:a9ee24341ed7d716c6f9aa90b01a9127faffeebc2ad1970a943569f87782db7d
Status: Image is up to date for harivanshx/harivanshwebapp:tagname
docker.io/harivanshx/harivanshwebapp:tagname
```

```
PS D:\cdac pgdai\Classes\AITrends\Assignments\Assignment 2 Docker And DockerHub\Harivansh web app> docker push harivanshx/harivanshwebapp:tagname
The push refers to repository [docker.io/harivanshx/harivanshwebapp]
97385090cab0: Layer already exists
0940966600fc: Already exists
d680b830c1d8: Layer already exists
326ad4d2abf0: Pushed
8c7716127147: Layer already exists
077dea97cb30: Layer already exists
208bfab4bdf3: Pushed
eb47ef3fe06b: Pushed
tagname: digest: sha256:a9ee24341ed7d716c6f9aa90b01a9127faffeebc2ad1970a943569f87782db7d size: 856
```

```
PS C:\Users\hariv> docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED
harivanshx/harivanshwebapp	tagname	a9ee24341ed7	13 hours ago
harivanshwebapp	latest	a9ee24341ed7	13 hours ago
harivanshx/pgdaitrendsdocker	current	69d46b301830	36 hours ago
harivanshx	latest	69d46b301830	36 hours ago
harivanshx/pgdaitrendsdocker	0.01	cee4ebd1a517	2 days ago
harivansh	latest	cee4ebd1a517	2 days ago
ubuntu	latest	728785b59223	8 days ago
jenkins/jenkins	lts	ace160331258	3 weeks ago
hello-world	latest	54e66cc1dd1f	2 months ago
jupyter/base-notebook	latest	8c903974902b	23 months ago
centos	centos7.9.2009	be65f488b776	4 years ago

```
PS C:\Users\hariv> docker rm 2edab37bfa68
2edab37bfa68
```

```

PS C:\Users\hariv> docker rmi harivanshwebapp:latest
Untagged: harivanshwebapp:latest
PS C:\Users\hariv> docker ps -a
CONTAINER ID   IMAGE                                COMMAND
CREATED        STATUS          PORTS
NAMES
36f9da0defaf   a9ee24341ed7   "python harivansh.py"
 3 minutes ago Up 3 minutes    5000/tcp
thirsty_agnesi
d65a012730d5   a9ee24341ed7   "python harivansh.py"
 5 minutes ago Exited (0) 5 minutes ago
thirsty_archimedes
2c89ea99f12b   a9ee24341ed7   "python harivansh.py"
 9 hours ago   Exited (255) 11 minutes ago 0.0.0.0:5000->5000/tcp
nostalgic_bohr
3d7d8b381238   harivanshx/harivanshwebapp:tagname "python harivansh.py"
11 hours ago   Exited (255) 11 minutes ago 5000/tcp
serene_bose
d1cca8bcbf35   harivanshx/harivanshwebapp:tagname "python harivansh.py"
11 hours ago   Exited (0) 11 hours ago
sleepy_colden
7ae09d5bd362   a9ee24341ed7   "python harivansh.py"
13 hours ago   Exited (0) 12 hours ago
hungry_pascal
d23fa80bead0   jenkins/jenkins:lts
37 hours ago   Exited (255) 13 hours ago 0.0.0.0:8080->8080/tcp, 50000
/tcp
condescending_mccarthy
95cd4536abb1   jupyter/base-notebook
37 hours ago   Exited (255) 13 hours ago 0.0.0.0:8888->8888/tcp
vigilant_chatelet
835a09b43794   centos:centos7.9.2009
2 days ago     Exited (0) 2 days ago
hungry_shamir
PS C:\Users\hariv>

```

```

Run 'docker run --help' for more information
PS D:\cdac pgdai\Classes\AITrends\Assignments\Assignment 2 Docker And DockerHub\Harivansh web app> docker build -t harivanshwebapp .
[+] Building 3.0s (10/10) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 182B
=> [internal] load metadata for docker.io/library/python:3.13-slim
=> [auth] library/python:pull token for registry-1.docker.io
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [1/4] FROM docker.io/library/python:3.13-slim@sha256:8d4ea9d6915221b2d78e39e0dea0c714a4affb73ba74e839dbf6f76c524f78e4
=> => resolve docker.io/library/python:3.13-slim@sha256:8d4ea9d6915221b2d78e39e0dea0c714a4affb73ba74e839dbf6f76c524f78e4
=> [internal] load build context
=> => transferring context: 1.91kB
=> CACHED [2/4] COPY requirements.txt
=> CACHED [3/4] RUN pip install -r requirements.txt
=> CACHED [4/4] COPY .
=> exporting to image
=> => exporting layers
=> => exporting manifest sha256:17cbf9755fa77db55a1752adcecad4f3ed10ceddd9e880bfe55ee17d0417d46a
=> => exporting config sha256:d8c2ba27d518a269f882a0363abec4f24138775791a403dfdbec824ade8ea5df
=> => exporting attestation manifest sha256:21d699e30d005081a19c5735bd3762a014446347ed0f026f2e7219dda22f88cb
=> => exporting manifest list sha256:a9ee24341ed7d716c6f9aa90b01a9127faffeabc2ad1970a943569f87782db7d
=> => naming to docker.io/library/harivanshwebapp:latest
=> => unpacking to docker.io/library/harivanshwebapp:latest
View build details: docker-desktop:///dashboard/build/desktop-linux/desktop-linux/jpggpyxknedo95qlzg7waalgg
PS D:\cdac pgdai\Classes\AITrends\Assignments\Assignment 2 Docker And DockerHub\Harivansh web app>

```