

Experiment-4

Steps to create container from Docker Hub



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How to create container from Docker Hub?

- Open browser and open Docker Hub after that search images what you have to download and make the container

How to create container from Docker Hub?

- There are 2 options:
 - Pull image from Docker hub and then create container.
 - Direct use **Docker run** command to create container.

Steps to create container from Docker Hub?

- To create container with container name and port

```
# docker run -it -name bhuvi -p 80:80 nginx:latest
```

Name of container

Port for
outside access

Image name on
docker hub

Steps to create container from Docker Hub?

- To create container with container name and port

```
C:\Users\bhuvn>docker run -it --name bhuvi -p 80:80 nginx:latest
Unable to find image 'nginx:latest' locally
latest: Pulling from library/nginx
09f376ebb190: Downloading [>] 298.2kB/29.15MB
a11fc495bafd: Downloading [>] 429.3kB/41.83MB
933cc8470577: Download complete
999643392fb7: Waiting
971bb7f4fb12: Waiting
45337c09cd57: Pulling fs layer
de3b062c0af7: Waiting
|
```

Steps to create container from Docker Hub?

- Check that container is available or not

docker ps -a

```
PS C:\Users\bhuvn> docker ps -a
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS               NAMES
4619dcdc5cf4   nginx:latest   "/docker-entrypoint..." 10 minutes ago Up 9 minutes   0.0.0.0:80->80/tcp   bhuvi
PS C:\Users\bhuvn> |
```


Steps to create container from Docker Hub?

- To start container

docker run bhuvi

```
PS C:\Users\bhuvn> docker ps -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
4619dcdc5cfd	nginx:latest	"/docker-entrypoint..."	10 minutes ago	Up 9 minutes	0.0.0.0:80->80/tcp	bhuvi

```
PS C:\Users\bhuvn> |
```

Steps to create container from Docker Hub?

- Create index.html file

vi index.html

```
bhuvi@Bhuvnesh:~$ vi index.html
```

Steps to create container from Docker Hub?

- Copy index.html and paste it in nginx directory

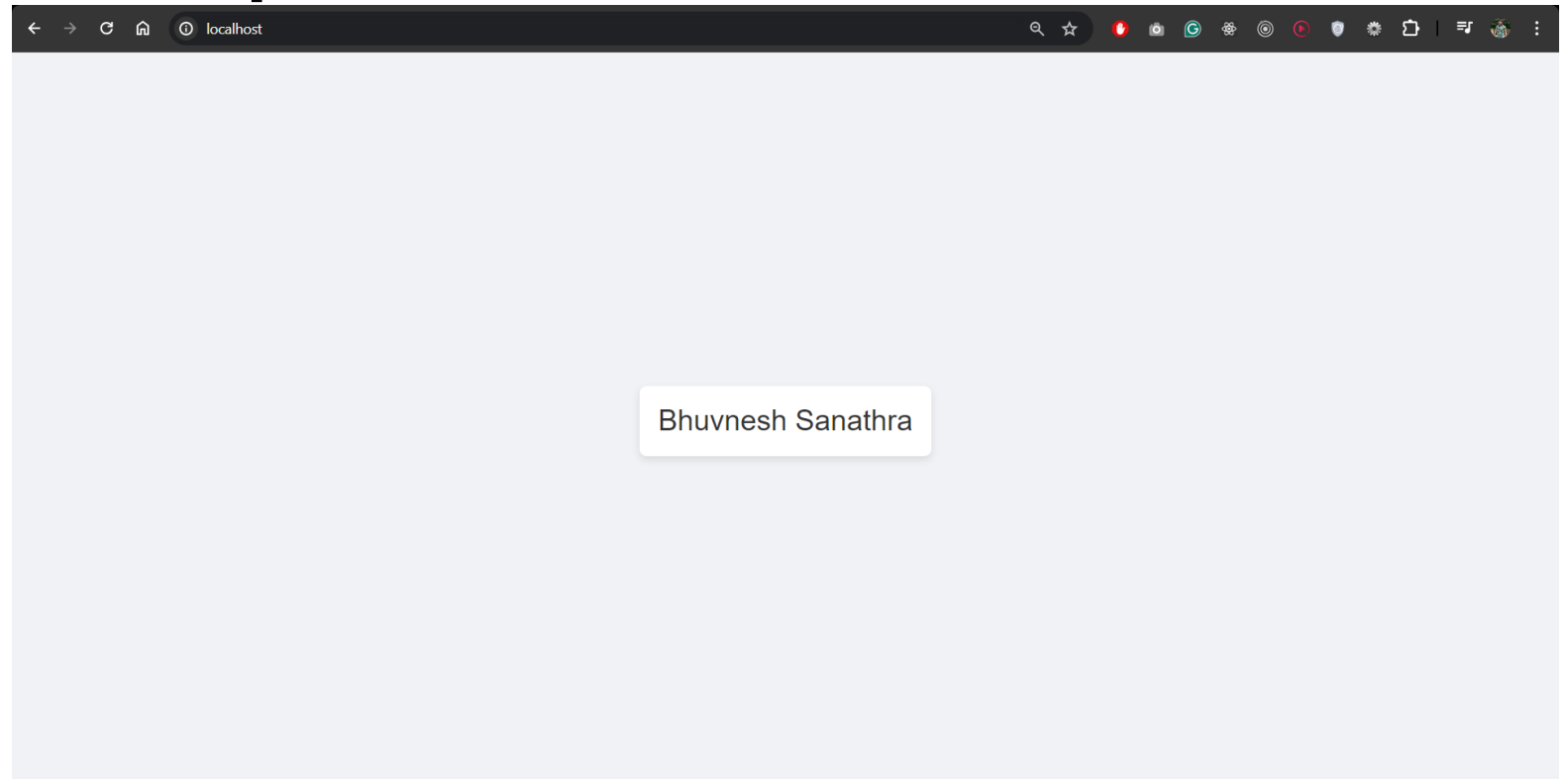
docker cp index.html bhuvi:/usr/share/nginx/html/

```
bhuvi@Bhuvnesh:~$ docker cp index.html bhuvi:/usr/share/nginx/html/  
Successfully copied 2.56kB to bhuvi:/usr/share/nginx/html/
```

Steps to create container from Docker Hub?

- Run in localhost on port 80

localhost:80



Thank You