[CS200]-STT 2		Fall 2020-21
	Assignment: II	
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Solution of problem 2.

Dockerising Apache Web-Server

Create a working directory say q1_b.

Create an index.html file with the following content in the same directory:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
otitle>Hello World!</title>
</head>
<body>
<h1>Learning Docker...</h1>
</body>
</html>
```

Create a Dockerfile file with the following content in the same directory

FROM httpd:latest

WORKDIR /Users/shubham gupta/Desktop

ARG DEBIAN FRONTEND=noninteractive

ENV TZ=Indian

RUN apt-get -y update

RUN apt-get install -y apache2

EXPOSE 80

COPY in.html /var/www/html/in.html

CMD ["/usr/sbin/apache2ctl", "-D", "FOREGROUND"]

Now run the following commands in the terminal:

docker pull httpd:latest

docker build -t apache webserver .

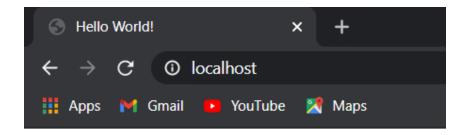
```
nishitha@LAPTOP-HAQHHHRO:/mnt/f/q1_b$ docker pull httpd:latest
latest: Pulling from library/httpd
Digest: sha256:fddc534b7f6bb6197855be559244adb11907d569aae1283db8e6ce8bb8f6f456
Status: Image is up to date for httpd:latest
docker.io/library/httpd:latest
```

docker run -p $80{:}80$ -dit –name apache test apache webserver docker ps

It should be showing that the container is running in the following way:



Now running localhost:80 on the browser we get the following html page running



Learning Docker...

To push the docker image to the public dockerhub repo created we used the following commands

```
nishitha@LAPTOP-HAQHHHRO:/mnt/f/q1_b$ docker push nishitha77/apache-web-server
The push refers to repository [docker.io/nishitha77/apache-web-server]
106da55a7[ee: Pushed
48-6.504040e: Pushed
48-6.504040e): Pushed
48-6.504040e): Pushed
48-6.504040e): Pushed
48-6.504040e): Pushed
48-6.504040e): Mounted from library/httpd
48-6.504060e): Mounted from library/httpd
48-6.504060e): Mounted from library/httpd
56-6066330da: Mounted from library/httpd
18-6066330da: Mounted from library/httpd
```