## **Assignment-5**

## Name-Suraj Kumar PNR no.-240840127041

- 1. Create a container using httpd image. Map outside port 6500 to the container. Create an index.html file that displays your name. Copy the index.html inside the container. Display that your name is shown when you access the website.
- 1. Create a container using the Ubuntu image
- 2. Install Python inside the container
- 3. Save the container as an image
- 4. Delete the earlier container
- 5. Create a new container using the saved image
- 6. Run Python inside the new container

## My name is Suraj kumar

2. Create a directory on the local file system. Create an index.html file inside this directory. Create a container using httpd image and map this directory to the container. Also map port 8500 to the container. Display the original message accessing the website. Modify the index.html file in the directory. Access the website and display that modified contents are displayed on the website.

Create 10 containers mapped to the same directory. Assign ports from 8510 to 8520. Display that all websites show the same content.

```
Desktop Documents Downloads index.html Music my_website Pictures projects Public snap Videos aduser@suraj:~$ mkdir assignment5
duser@suraj:~$ cd assignment5/
duser@suraj:~/assignment5$ nano index.html
duser@suraj:~/assignment5$ docker run --name webserver -d -p 8500:80 -v $(pwd):/usr/local/apache2/htdocs httpd
819fea9dlb8c24535907bd6337e6df1d19aa13caf382a22bc888d11e0987a103
duser@suraj:-/assignment5% curl http://localhost:8500
This is Suraj Kumar.
nduser@suraj:-/assignment5% for i in {8510..8520};do
> docker run --name webserver_$i -d -p $i:80 -v $(pwd):/usr/local/apache2/htdocs httpd
done
341acc238fd824892fc7c22c2aaf271c3fad3852a994206363786864ef5a70d
31dd3af84e3f76ef62093d5f17ac3cb8fad9fd96ebcd1c3915edbc3edaf06a6
8627b2aa5fd0635da5aaedae00818429de546d7ee0e93371f8afd5d4707e5fa1
 1780f250809be404a849c0d2eaadf5df9c6bd2b2aa406db91a10981f525e458
34e0f5a6e4342feb0b4448bc7cd9d92e06e1ffcf60956fce3ea6d47636537a3
 66a97776c524651a7807dd6ea723f0649b1fa2ad8f0fd543c4534e13554f8c4
9c0a2db4b841deaa5149296f993e53e7cfd9b2963b43350a3a3cea49d3c6129
 36876474298f0472c58b97c9c24d66042de053ac149a19946ad6c5231c616c6
0cb42a295b1f91e8ab2520e8f13e57ba56054dc13e63db17361776600858cf9
coesscalbc16ce4ff1a10Ue2fd29995/64/Uba3c9346559/5953cf/83fb4d18d
iduser@suraj:~/assignment5$ docker ps -a

CNNTAINER ID IMAGE COMMAND CREATED S

7.00ce1853379 httpd "httpd-foreground" 16 seconds ago Ug

10ce36calbc16 httpd "httpd-foreground" 17 seconds ago Ug

10ce42a295b1 httpd "httpd-foreground" 17 seconds ago Ug

10ce42a295b1 httpd "httpd-foreground" 18 seconds ago Ug

10ce42a295b1 httpd "httpd-foreground" 18 seconds ago Ug

10ce42a295b1 httpd "httpd-foreground" 18 seconds ago Ug
                                                                                                                                                                                                                                                                                        NAMES
                                                                                                                                                  Up 15 seconds
Up 15 seconds
Up 16 seconds
                                                                                                                                                                                         0.0.0.0:8519->80/tcp, :::8519->80/tcp
0.0.0.0:8518->80/tcp, :::8518->80/tcp
                                                                                                                                                                                                                                                                                        webserver_8519
webserver_8518
                                                        "httpd-foreground"
"httpd-foreground"
                                                                                                                                                                                        0.0.0.0:8517->80/tcp, :::8517->80/tcp
0.0.0.0:8516->80/tcp, :::8516->80/tcp
0.0.0.0:8515->80/tcp, :::8515->80/tcp
0.0.0.0:8514->80/tcp, :::8514->80/tcp
                                                        "httpd-foreground"
"httpd-foreground"
                                 httpd
httpd
                                                                                                           19 seconds ago
19 seconds ago
                                                                                                                                                                                        0.0.0.0:8513->80/tcp, :::8513->80/tcp
0.0.0.0:8512->80/tcp, :::8512->80/tcp
0.0.0.0:8511->80/tcp, :::8511->80/tcp
0.0.0.0:8510->80/tcp, :::8511->80/tcp
                                                         "httpd-foreground"
                                                        "httpd-foreground"
"httpd-foreground"
                                                                                                          21 seconds ago
22 seconds ago
                                httpd
httpd
                                                                                                                                                  Up 20 seconds
Up 21 seconds
```



This is Suraj Kumar. This is modified Version.

3. Create a network by name hpcsa in docker. Run a mysql container and attach it to this network. Keep the name of the mysql container as dbserver. The root password should be "pass@123". Not create a python container and run the test.py script and create a database by name students. And create a table by name batch24. Display the output of the script.

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Marning: Unable to load '/usr/share/zoneinfo/leap-seconds.list' as time zone. Skipping it.

Warning: Unable to load '/usr/share/zoneinfo/leap-seconds.as time zone. Skipping it.

Warning: Unable to load '/usr/share/zoneinfo/leap-seconds' as time zone. Skipping it.

Warning: Unable to load '/usr/share/zoneinfo/zone.lab' as time zone. Skipping it.

Warning: Unable to load '/usr/share/zoneinfo/zonels/b' as time zone. Skipping it.

Warning: Unable to load '/usr/share/zoneinfo/zonels/b' as time zone. Skipping it.

Warning: Unable to load '/usr/share/zoneinfo/zonels/b' as time zone. Skipping it.

2024-11-1106:27:37+00:00 [Note] [Entrypoint]: Stopping temporary server
2024-11-1106:27:39.6234332 0 [System] [MY-013172] [Server] Received SHUTDOWN from user root. Shutting down mysqld (Version: 9.1.0).
2024-11-1106:27:39.6234332 0 [System] [MY-010910] [Server] MySQL Server - end.
2024-11-11106:27:39.6237442 0 [System] [MY-015016] [Server] MySQL Server - end.
2024-11-11 06:27:40+00:00 [Note] [Entrypoint]: MySQL init process done. Ready for start up.

2024-11-1106:27:40.2768372 0 [System] [MY-015015] [Server] MySQL Server - start.
2024-11-1106:27:40.2768372 0 [System] [MY-015015] [Server] WySQL Server - start.
2024-11-1106:27:40.2768372 0 [System] [MY-015015] [Server] WySQL Server - start.
2024-11-1106:27:40.2768372 0 [System] [MY-015015] [Server] NySQL Server - start.
2024-11-1106:27:40.2768372 0 [System] [MY-015015] [Server] NySQL Server - start.
2024-11-1106:27:40.2768372 0 [System] [MY-015015] [Server] Charled NySQL Server] - start.
2024-11-1106:27:40.2768372 0 [System] [MY-015015] [Server] NySQL Server] - start.
2024-11-1106:27:40.2768372 0 [System] [MY-015015] [Server] NySQL Server] - start.
2024-11-1106:27:40.2768372 0 [System] [MY-015015] [Server] NySQL Server] - start.
2024-11-1106:27:40.2768372 0 [System] [MY-015015] [Server] NySQL Server] - start.
2024-11-1106:27:40.2768372 0 [System] [MY-015015] [Server] NySQL Server] - start.
2024-11-1106:27:40.503672 1 [System] [MY-015015] [Server] NySQL Server] - start.
2024-11
```

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## Authors of the property of
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