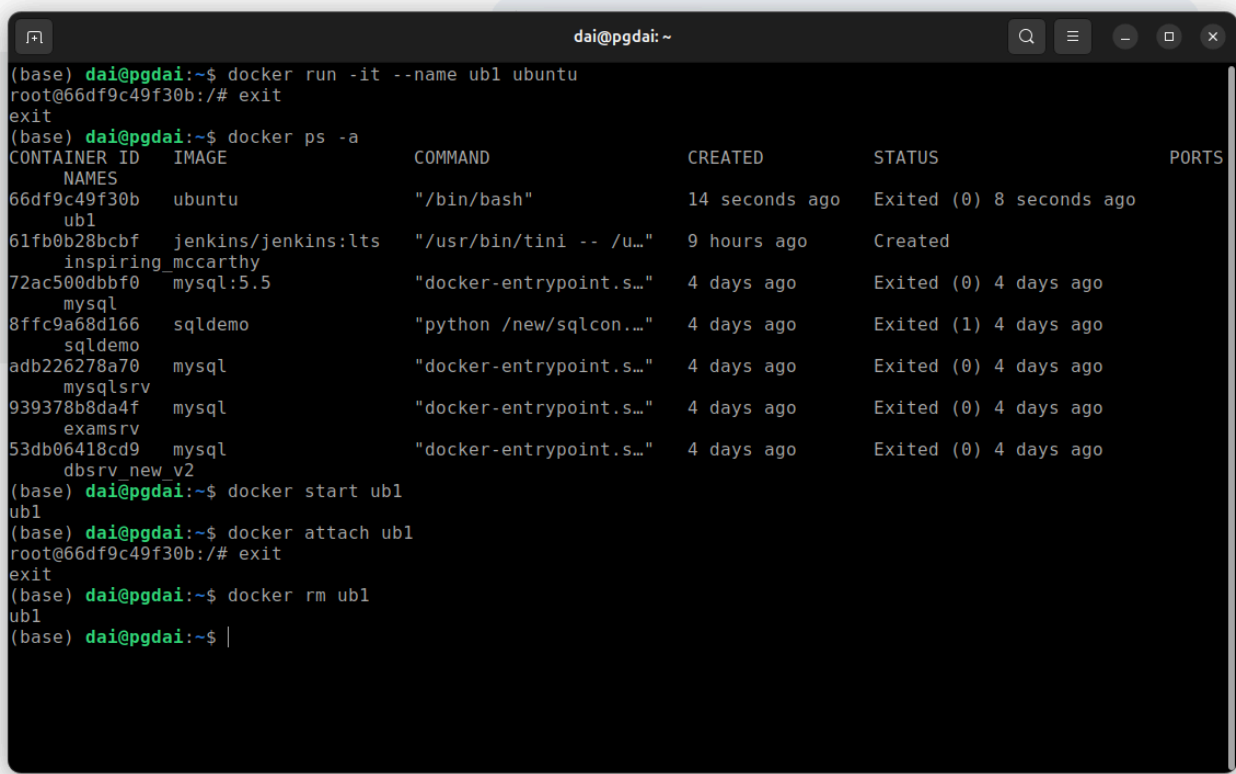


DevOps Assignment : 2 Docker

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Q.1. Create a container using ubuntu image. The container name should be ub1. Create a directory in it. Exit from the container. Start the container again. Connect to the container using docker attach command. Exit from the container. Delete the container.



```
(base) dai@pgdai:~$ docker run -it --name ub1 ubuntu
root@66df9c49f30b:/# exit
exit
(base) dai@pgdai:~$ docker ps -a
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS
66df9c49f30b   ubuntu        "/bin/bash"             14 seconds ago Exited (0) 8 seconds ago
61fb0b28bcbf   jenkins/jenkins:lts "/usr/bin/tini -- /u..." 9 hours ago   Created
72ac500dbbf0   inspiring_mccarthy:mysql:5.5 "docker-entrypoint.s..." 4 days ago    Exited (0) 4 days ago
8ffc9a68d166   sqldemo       "python /new/sqlcon..." 4 days ago    Exited (1) 4 days ago
adb226278a70   mysql        "docker-entrypoint.s..." 4 days ago    Exited (0) 4 days ago
939378b8da4f   mysql        "docker-entrypoint.s..." 4 days ago    Exited (0) 4 days ago
53db06418cd9   mysql        "docker-entrypoint.s..." 4 days ago    Exited (0) 4 days ago
(base) dai@pgdai:~$ docker start ub1
ub1
(base) dai@pgdai:~$ docker attach ub1
root@66df9c49f30b:/# exit
exit
(base) dai@pgdai:~$ docker rm ub1
ub1
(base) dai@pgdai:~$
```

Q.2. Create a container using httpd image. Name the container as web1. map outside port 8000 to this container. Now try accessing the website using <http://localhost:8000>. Create an index.html file that will display your roll number and PRN. Copy this file inside the container to /usr/local/apache2/htdocs directory. Now got to <http://localhost:8000> and check if the web site displays your web page.

```
(base) dai@pgdai:~$ docker run -d --name web1 -p 8000:80 httpd
4d7aaa3589fd3fbd1c51029a989dbd380cbab94eba6b641a90ee7cb897aa37ff
(base) dai@pgdai:~$ docker ps
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS                               NAMES
4d7aaa3589fd   httpd     "httpd-foreground"      8 seconds ago Up 5 seconds   0.0.0.0:8000->80/tcp, :::8000->80/tcp   web1
(base) dai@pgdai:~$ docker cp index.html web1:/usr/local/apache2/htdocs
Successfully copied 2.05kB to web1:/usr/local/apache2/htdocs
(base) dai@pgdai:~$
```

