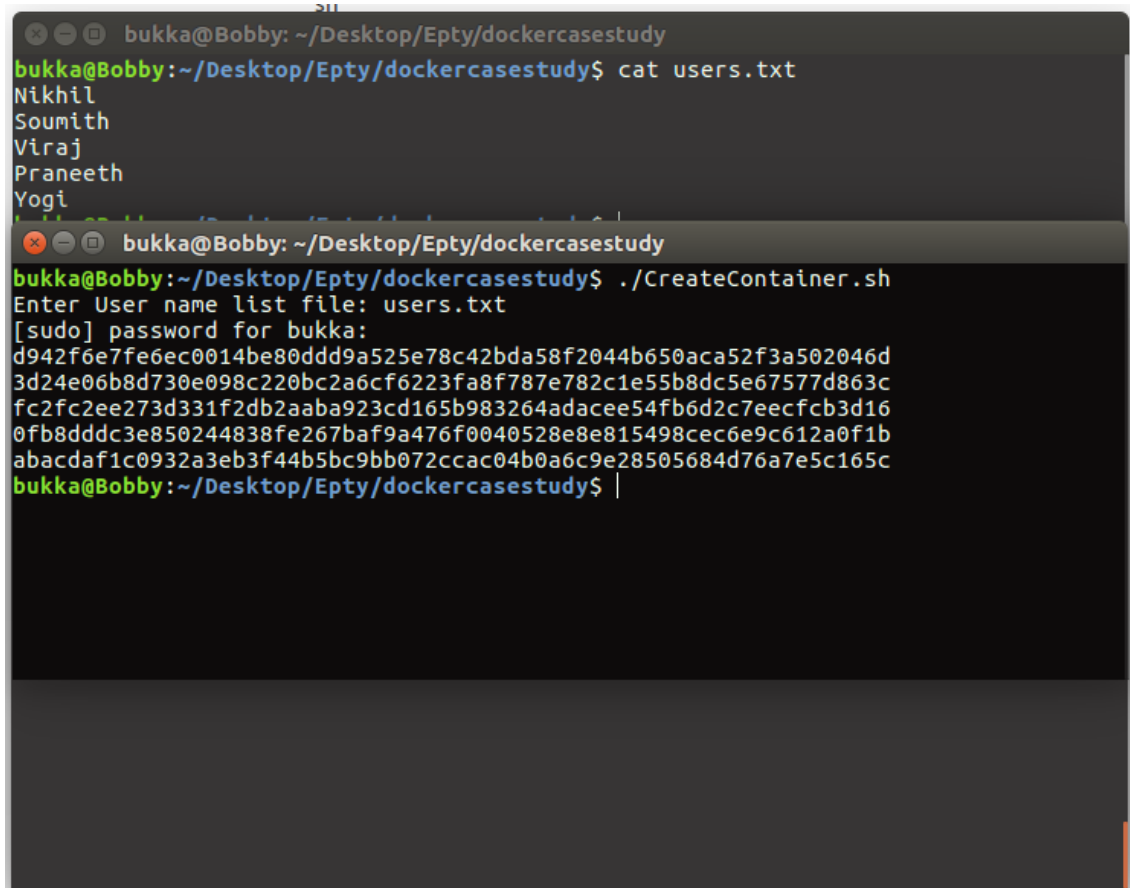


DOCKER CASE STUDY

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Creating docker containers using shell script:



```
bukka@Bobby: ~/Desktop/Epty/dockercasestudy
bukka@Bobby:~/Desktop/Epty/dockercasestudy$ cat users.txt
Nikhil
Soumith
Viraj
Praneeth
Yogi
bukka@Bobby:~/Desktop/Epty/dockercasestudy$ ./CreateContainer.sh
Enter User name list file: users.txt
[sudo] password for bukka:
d942f6e7fe6ec0014be80ddd9a525e78c42bda58f2044b650aca52f3a502046d
3d24e06b8d730e098c220bc2a6cf6223fa8f787e782c1e55b8dc5e67577d863c
fc2fc2ee273d331f2db2aaba923cd165b983264adacee54fb6d2c7eecfcb3d16
0fb8dddc3e850244838fe267baf9a476f0040528e8e815498cec6e9c612a0f1b
abacdaf1c0932a3eb3f44b5bc9bb072ccac04b0a6c9e28505684d76a7e5c165c
bukka@Bobby:~/Desktop/Epty/dockercasestudy$
```

List of containers created:

```
bukka@Bobby: ~/Desktop/Epty/dockercasestudy
bukka@Bobby:~/Desktop/Epty/dockercasestudy$ sudo docker ps --all
CONTAINER ID        IMAGE               COMMAND             CREATED
STATUS             PORTS              NAMES
abacdaf1c093        ubuntu             "/bin/bash"        About a minute ago
Created                                Yogi
0fb8dddc3e85        ubuntu             "/bin/bash"        About a minute ago
Created                                Praneeth
fc2fc2ee273d        ubuntu             "/bin/bash"        About a minute ago
Created                                Viraj
3d24e06b8d73        ubuntu             "/bin/bash"        About a minute ago
Created                                Soumith
d942f6e7fe6e        ubuntu             "/bin/bash"        About a minute ago
Created                                Nikhil
7b5767661a61        ubuntu             "/bin/bash"        2 weeks ago
Exited (0) 2 days ago                 test
bukka@Bobby:~/Desktop/Epty/dockercasestudy$ |
```

User accessing the containers:

```
root@d942f6e7fe6e: /bin
bukka@Bobby:~/Desktop/Epty/dockercasestudy$ ./User_containers.sh
Enter name of the user: Nikhil
Nikhil
root@d942f6e7fe6e:/# ls
bin    dev    home  lib64  mnt    proc  run    srv    tmp    var
boot  etc    lib   media  opt    root  sbin   sys    usr
root@d942f6e7fe6e:/# cd bin
root@d942f6e7fe6e:/bin# ls
bash          chmod          findmnt        mount          sleep          zcat
bunzip2       chown          grep           mountpoint    stty           zcmp
bzip2         cp             gunzip         mv             su             zdiff
bzip2         dash           gzip           nisdomainname sync            zegrep
bzdiff        date           gzip           pidof          tar            zfgrep
bzegrep       dd             hostname       ps             tempfile       zforce
bzexe         df             kill           pwd            touch          zgrep
bzfgrep       dir            ln             rbash          true           zless
bzgrep        dmesg          login          readlink      umount         zmore
bzzip2        dnsdomainname ls             rm             uname          znew
bzzip2recover domainname     lsblk          rmdir          uncompress
bzless        echo           mkdir          run-parts     vdir
bzmore        egrep          mknod          sed            wdctl
cat           false          mktemp         sh             which
chgrp         fgrep          more           sh.distrib    ypdomainname
root@d942f6e7fe6e:/bin# |
```

Monitoring the Containers:

```
bukka@Bobby: ~/Desktop/Epty/dockercasestudy
bukka@Bobby:~/Desktop/Epty/dockercasestudy$ ./MonitorContainers.sh
Enter name of the container to be monitored: Nikhil
root@d942f6e7fe6e:/# ls
bin  dev  home  lib64  mnt  proc  run  srv  tmp  var
boot  etc  lib  media  opt  root  sbin  sys  usr
root@d942f6e7fe6e:/# cd bin
root@d942f6e7fe6e:/bin# ls
bash      chmod      findmnt    mount      sleep      zcat
bunzip2   chown      grep       mountpoint stty        zcmp
bzipcat   cp         gunzip     mv          su          zdiff
bzipcmp   dash      gzexe      nisdomainname sync        zegrep
bzdiff    date      gzip       pidof      tar         zfgrep
bzegrep   dd        hostname   ps          tempfile    zforce
bzexe     df         kill       pwd         touch       zgrep
bzfgrep   dir        ln          rbash      true        zless
bzgrep    dmesg     login      readlink   umount      zmore
bzip2     dnsdomainname ls          rm          uname       znew
bzip2recover domainname lsblk       rmdir      uncompress
bzless    echo       mkdir      run-parts  vdir
bzmore    egrep     mknod      sed         wdctl
cat       false     mktemp     sh          which
chgrp     fgrep     more       sh.distrib ypdomainname
root@d942f6e7fe6e:/bin# exit
```

Deleting the containers:

```
Terminal
bukka@Bobby:~/Desktop/Epty/dockercasestudy$ sudo docker ps --all
CONTAINER ID   IMAGE      COMMAND                  CREATED     STATUS      PORTS      NAMES
847225ffad8a   ubuntu    "/bin/bash"             About a minute ago   Created                                Yogi
0fb8dddc3e85   ubuntu    "/bin/bash"             10 minutes ago      Created                                Praneeth
fc2fc2ee273d   ubuntu    "/bin/bash"             10 minutes ago      Created                                Viraj
3d24e0b8d73   ubuntu    "/bin/bash"             10 minutes ago      Created                                Soumith
d942f6e7fe6e   ubuntu    "/bin/bash"             10 minutes ago      Exited (0) 5 minutes ago              Nikhil
7b5767661a61   ubuntu    "/bin/bash"             2 weeks ago         Exited (0) 2 days ago                 test

bukka@Bobby:~/Desktop/Epty/dockercasestudy$ sudo docker ps --all
CONTAINER ID   IMAGE      COMMAND                  CREATED     STATUS      PORTS      NAMES
7b5767661a61   ubuntu    "/bin/bash"             2 weeks ago      Exited (0) 2 days ago                 test

bukka@Bobby:~/Desktop/Epty/dockercasestudy$ ./DeleteContainer.sh
Enter 'y' to delete the containers of all usernames, else enter 'n': n
Enter the usernames you want to delete, enter 'exit' when done deleting: Yogi
Praneeth
Soumith
Viraj
Praneeth
Error response from daemon: No such container: Yogi
bukka@Bobby:~/Desktop/Epty/dockercasestudy$
```

Everything is done using using shellscripts.

