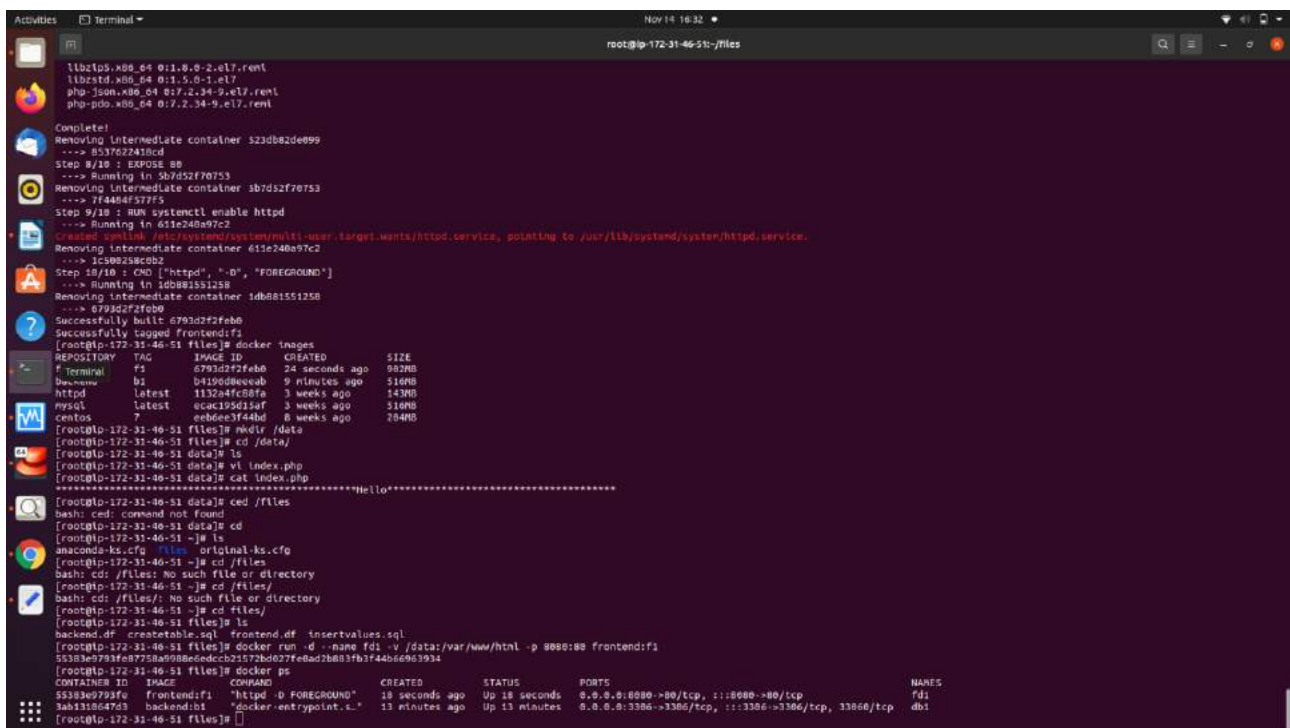
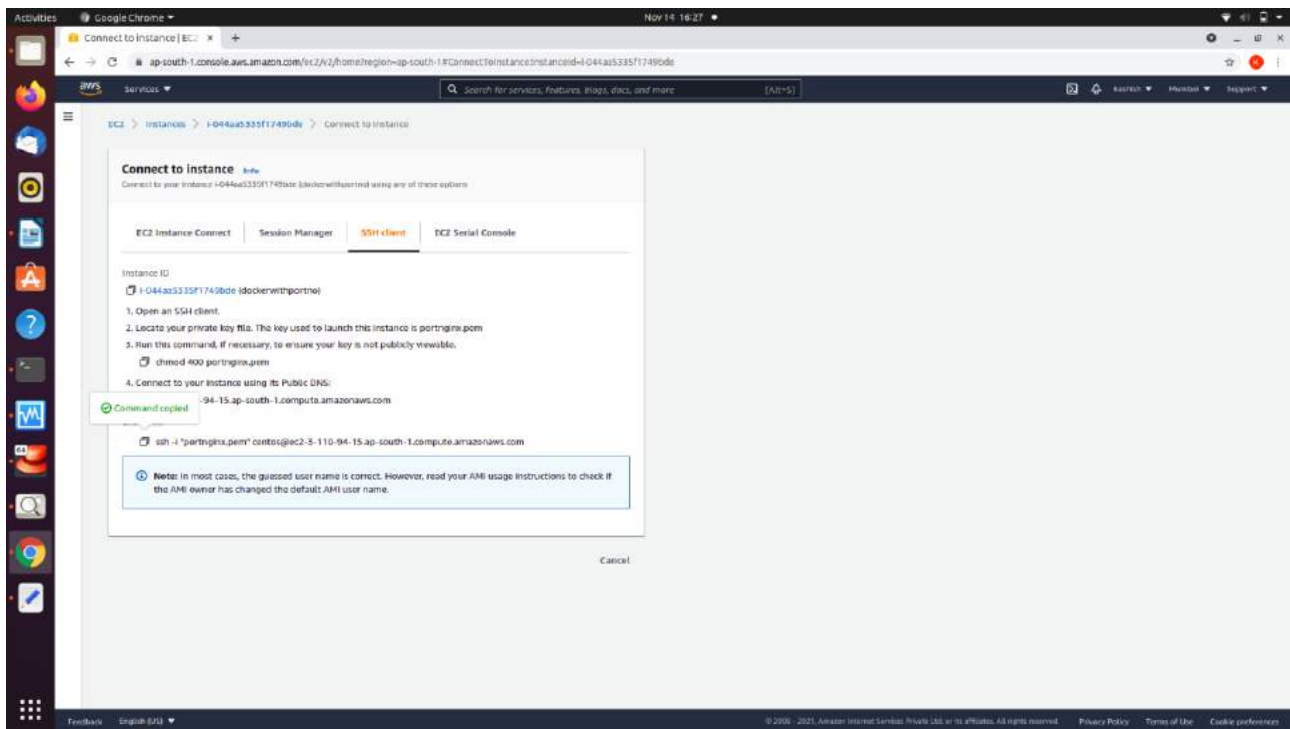


Assignment

1 Mam, I am Using Kashish aws Account in all aws related account previously, that's why it is showing kashish name in place of akarsh as i already asked you mam.

The screenshot shows the AWS Management Console for the 'ap-south-1' region. The 'Instances' page is active, displaying a table of 11 EC2 instances. The table columns include Name, Instance ID, Instance state, Instance type, Status check, Alarm status, Availability Zone, Public IPv4 DNS, Public IPv4, and Elastic IP. Most instances are in a 'Stopped' state, while 'dockerwithpor...' is 'Running'. The left sidebar shows the navigation menu with categories like EC2 Dashboard, Images, Elastic Block Store, and Network & Security. The top of the console shows the AWS logo, a search bar, and various utility buttons like 'Launch Instance' and 'Actions'.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4	Elastic IP
master11	i-0224a9b39979fb657	Stopped	t2.medium	-	No alarms	ap-south-1a	-	-	-
workernode11	i-0219d09236572ee09	Stopped	t2.micro	-	No alarms	ap-south-1a	-	-	-
workernode12	i-0433559d326be0e76	Stopped	t2.micro	-	No alarms	ap-south-1a	-	-	-
Work12	i-064120a4c1f470b17	Stopped	t2.micro	-	No alarms	ap-south-1a	-	-	-
Work1	i-06c37575b5eef4a2c	Stopped	t2.micro	-	No alarms	ap-south-1a	-	-	-
Master	i-01cd156805dc85538	Stopped	t2.medium	-	No alarms	ap-south-1a	-	-	-
JenkinsMaster	i-0c0d5e069325b61a2	Stopped	t2.micro	-	No alarms	ap-south-1a	-	-	-
Staging	i-0e0dbdc86f05b733b	Stopped	t2.micro	-	No alarms	ap-south-1a	-	-	-
Production	i-03f411b15e273416a	Stopped	t2.micro	-	No alarms	ap-south-1a	-	-	-
dockerwithpor...	i-044a533571749bdc	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1a	ec2-3-110-94-15.ap-sou...	3.110.94.15	-



```

root@ip-172-31-46-51:/files

[root@ip-172-31-46-51 files]# cat backend.df
FROM mysql
ENV MYSQL_DATABASE prior
COPY ./createtable.sql /docker-entrypoint-initdb.d/
COPY ./insertvalues.sql /docker-entrypoint-initdb.d/

[root@ip-172-31-46-51 files]# docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED    STATUS    PORTS                               NAMES
55383e793afe   frontend:f1    "httpd -D FOREGROUND"   2 hours ago Up 2 minutes 0.0.0.0:8080->80/tcp, :::8080->80/tcp   fd1
3ab1318647d3   backend:db1    "docker-entrypoint.s..." 2 hours ago Up 11 minutes 0.0.0.0:3306->3306/tcp, :::3306->3306/tcp, 33060/tcp   db1

[root@ip-172-31-46-51 files]# docker ps --help
Usage: docker ps [OPTIONS]

List containers
[root@ip-172-31-46-51 files]# docker ps -a
CONTAINER ID   IMAGE          COMMAND                  CREATED    STATUS    PORTS                               NAMES
0f19bc395953   frontend:f1    "httpd -D FOREGROUND"   About an hour ago Exited (0) 2 minutes ago                               fd2
3ab1318647d3   backend:db1    "docker-entrypoint.s..." 2 hours ago Up 12 minutes 0.0.0.0:3306->3306/tcp, :::3306->3306/tcp, 33060/tcp   db1

[root@ip-172-31-46-51 files]# docker ps -a
CONTAINER ID   IMAGE          COMMAND                  CREATED    STATUS    PORTS                               NAMES
3ab1318647d3   backend:db1    "docker-entrypoint.s..." 2 hours ago Up 12 minutes 0.0.0.0:3306->3306/tcp, :::3306->3306/tcp, 33060/tcp   db1

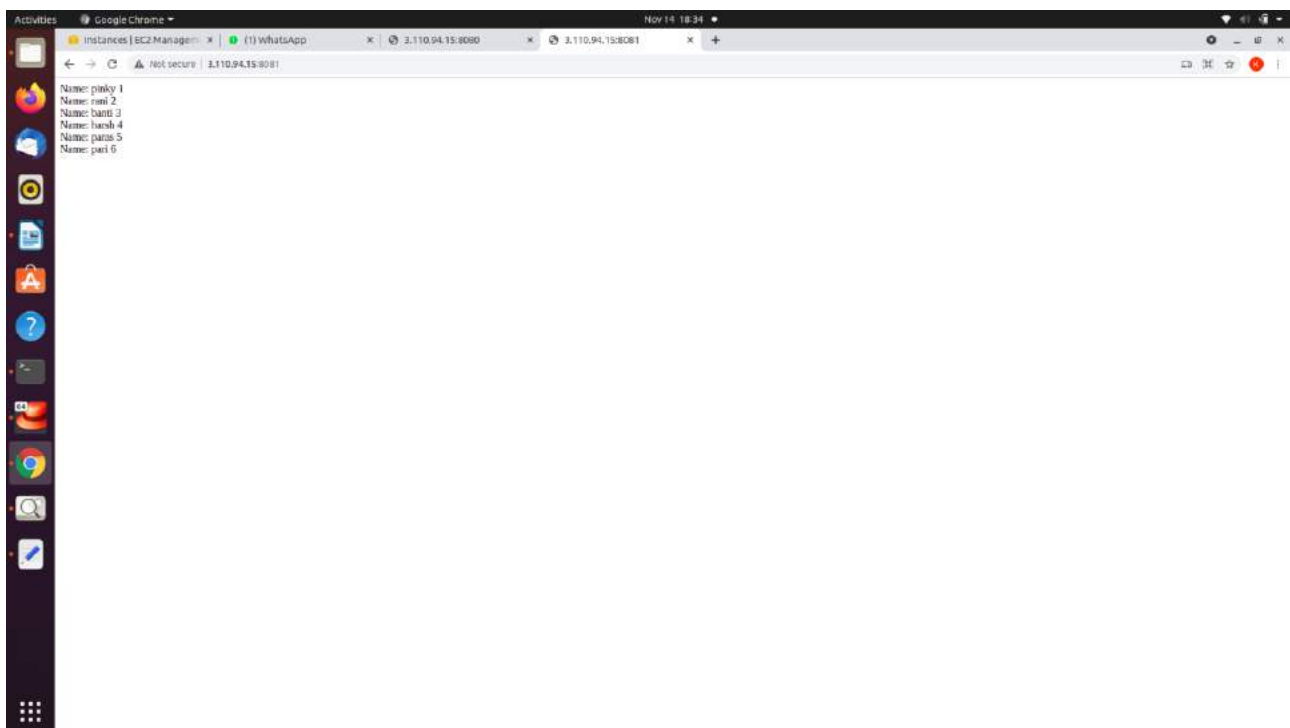
[root@ip-172-31-46-51 files]# docker images
REPOSITORY     TAG      IMAGE ID       CREATED      SIZE
frontend       f1       6793d272feb6   2 hours ago  962MB
backend        b1       b4190d8eeab   2 hours ago  516MB
httpd          latest   1132a4fc08fa   3 weeks ago  143MB
mysql          latest   ecac10c1af    3 weeks ago  510MB
centos         7       ebb6c3f44bd   8 weeks ago  264MB

[root@ip-172-31-46-51 files]# docker run -d --name front -p 8081:80 frontend:f1
bc2711841dda7b40f5e92dd78c322dc31387249f0bd53495895e109a02712

[root@ip-172-31-46-51 files]# docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED    STATUS    PORTS                               NAMES
bc2711841dda   frontend:f1    "httpd -D FOREGROUND"   4 seconds ago Up 3 seconds 0.0.0.0:8081->80/tcp, :::8081->80/tcp   front
3ab1318647d3   backend:db1    "docker-entrypoint.s..." 2 hours ago Up 13 minutes 0.0.0.0:3306->3306/tcp, :::3306->3306/tcp, 33060/tcp   db1

[root@ip-172-31-46-51 files]# docker exec -ti front bash
[root@bc2711841dda var]# cd /
[root@bc2711841dda var]# ls
bin  boot  dev  etc  home  lib  lib64  local  lock  log  mail  mnt  opt  preserve  run  sbin  spool  tmp  usr  var  www  yp
[root@bc2711841dda var]# cd /www
[root@bc2711841dda www]# ls
cgi-bin  html
[root@bc2711841dda www]# cd html
[root@bc2711841dda html]# ls
[root@bc2711841dda html]# vi index.php
[root@bc2711841dda html]# ls
index.php
[root@bc2711841dda html]# exit

```



```

[root@master assessment]# vi pod1.yaml
[root@master assessment]# kubectl create -f pod1.yaml
pod/pod1 created
[root@master assessment]# vi pod2.yaml
[root@master assessment]# kubectl create -f pod2.yaml
pod/pod2 created
[root@master assessment]# kubectl get pods
NAME      READY   STATUS    RESTARTS   AGE
pod1      1/1     Running   0           93s
pod2      1/1     Running   0           20s
[root@master assessment]# kubectl get pod -o wide
NAME      READY   STATUS    RESTARTS   AGE   IP              NODE      NOMINATED NODE   READINESS GATES
pod1      1/1     Running   0           103s   192.168.189.69   worker2   <none>            <none>
pod2      1/1     Running   0           30s    192.168.189.70   worker2   <none>            <none>
[root@master assessment]# kubectl run pod3 --image=httpd
pod/pod3 created
[root@master assessment]# kubectl run pod4 --image=nginx
pod/pod4 created
[root@master assessment]# kubectl get pod -o wide
NAME      READY   STATUS    RESTARTS   AGE   IP              NODE      NOMINATED NODE   READINESS GATES
pod1      1/1     Running   0           2m47s   192.168.189.69   worker2   <none>            <none>
pod2      1/1     Running   0           94s     192.168.189.70   worker2   <none>            <none>
pod3      1/1     Running   0           21s     192.168.235.143   worker1   <none>            <none>
pod4      1/1     Running   0           9s       192.168.235.144   worker1   <none>            <none>
[root@master assessment]# kubectl create deployment dep1 --image=httpd
deployment.apps/dep1 created
[root@master assessment]# kubectl get deploy
NAME      READY   UP-TO-DATE   AVAILABLE   AGE
dep1      1/1     1             1           13s
[root@master assessment]# kubectl get pods
NAME                               READY   STATUS    RESTARTS   AGE
dep1-849f46f8bd-8c49b             1/1     Running   0           3m46s
pod1                               1/1     Running   0           15m
pod2                               1/1     Running   0           14m
pod3                               1/1     Running   0           13m
pod4                               1/1     Running   0           13m
[root@master assessment]# kubectl delete pod dep1-849f46f8bd-8c49b
pod "dep1-849f46f8bd-8c49b" deleted
[root@master assessment]# kubectl get pods
NAME                               READY   STATUS    RESTARTS   AGE
dep1-849f46f8bd-s7v7h             1/1     Running   0           12s
pod1                               1/1     Running   0           16m
pod2                               1/1     Running   0           15m
pod3                               1/1     Running   0           13m
pod4                               1/1     Running   0           13m
[root@master assessment]# kubectl delete pod dep1-849f46f8bd-s7v7h
pod "dep1-849f46f8bd-s7v7h" deleted
[root@master assessment]# kubectl get pods
NAME                               READY   STATUS    RESTARTS   AGE
dep1-849f46f8bd-srbnz             1/1     Running   0           8s
pod1                               1/1     Running   0           16m
pod2                               1/1     Running   0           15m
pod3                               1/1     Running   0           14m
pod4                               1/1     Running   0           14m
[root@master assessment]#

```



```
[root@master assessment]# vi dep2.yaml
[root@master assessment]# kubectl create -f dep2.yaml
deployment.apps/dep2 created
[root@master assessment]# kubectl get pods
```

NAME	READY	STATUS	RESTARTS	AGE
dep1-849f46f8bd-25tqc	1/1	Running	0	94m
dep1-849f46f8bd-7r8gc	1/1	Running	0	92m
dep1-849f46f8bd-r8qff	1/1	Running	0	92m
dep1-849f46f8bd-srbnz	1/1	Running	0	98m
dep2-7b6794856f-fz628	2/2	Running	0	8s
pod1	1/1	Running	0	115m
pod2	1/1	Running	0	114m
pod3	1/1	Running	0	113m
pod4	1/1	Running	0	112m

```
[root@master assessment]# kubectl get deploy
```

NAME	READY	UP-TO-DATE	AVAILABLE	AGE
dep1	4/4	4	4	103m
dep2	1/1	1	1	23s

```
[root@master assessment]# kubectl delete pod dep2-7b6794856f-fz628
pod "dep2-7b6794856f-fz628" deleted
[root@master assessment]# kubectl get pods
```

NAME	READY	STATUS	RESTARTS	AGE
dep1-849f46f8bd-25tqc	1/1	Running	0	96m
dep1-849f46f8bd-7r8gc	1/1	Running	0	95m
dep1-849f46f8bd-r8qff	1/1	Running	0	95m
dep1-849f46f8bd-srbnz	1/1	Running	0	101m
dep2-7b6794856f-qv5t5	2/2	Running	0	20s
pod1	1/1	Running	0	118m
pod2	1/1	Running	0	117m
pod3	1/1	Running	0	115m
pod4	1/1	Running	0	115m

```
[root@master assessment]#
```

```
[root@master assessment]# kubectl scale deployment/dep1 --replicas=2
deployment.apps/dep1 scaled
[root@master assessment]# kubectl get pods
```

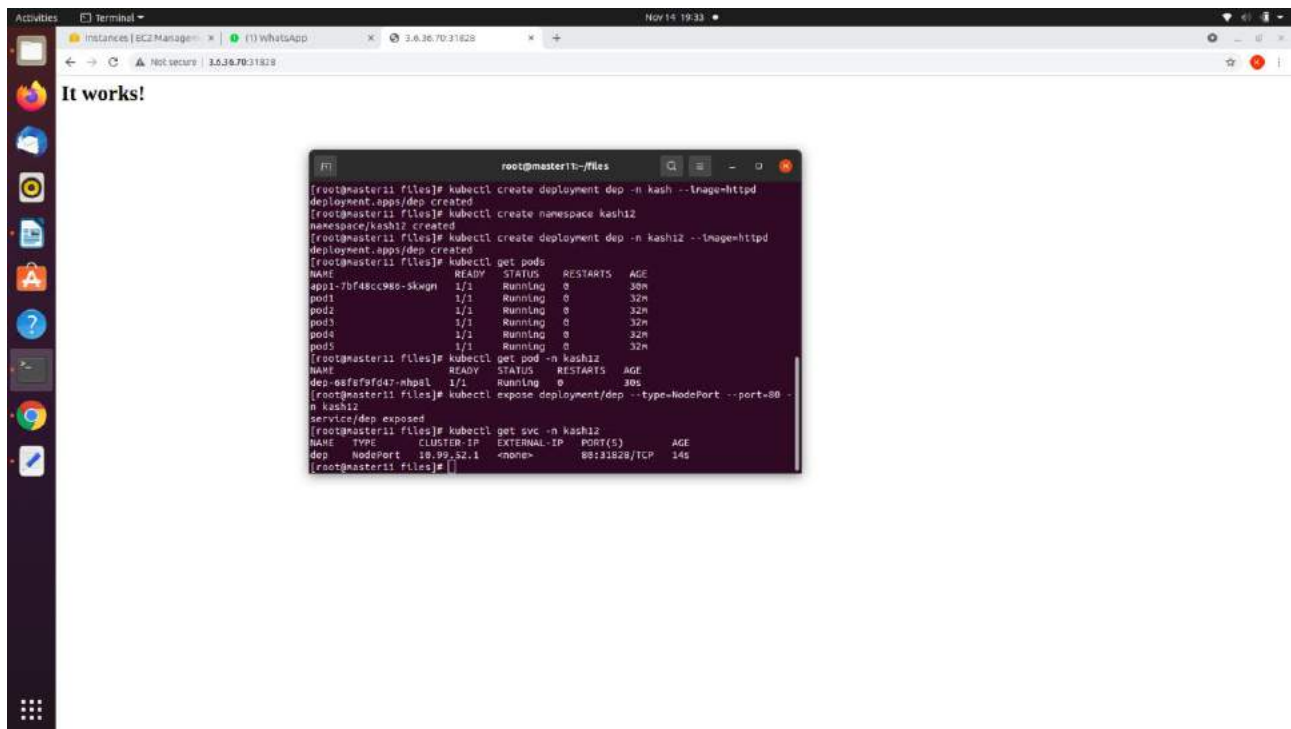
NAME	READY	STATUS	RESTARTS	AGE
dep1-849f46f8bd-25tqc	1/1	Running	0	63s
dep1-849f46f8bd-srbnz	1/1	Running	0	5m56s
pod1	1/1	Running	0	22m
pod2	1/1	Running	0	21m
pod3	1/1	Running	0	20m
pod4	1/1	Running	0	19m

```
[root@master assessment]# kubectl scale deployment /dep1 --replicas=4
error: there is no need to specify a resource type as a separate argument when passing arguments in
n resource/name form (e.g. 'kubectl get resource/<resource_name>' instead of 'kubectl get resource
resource/<resource_name>')
[root@master assessment]# kubectl scale deployment/dep1 --replicas=4
deployment.apps/dep1 scaled
[root@master assessment]# kubectl get pods
```

NAME	READY	STATUS	RESTARTS	AGE
dep1-849f46f8bd-25tqc	1/1	Running	0	96s
dep1-849f46f8bd-7r8gc	0/1	ContainerCreating	0	4s
dep1-849f46f8bd-r8qff	0/1	ContainerCreating	0	4s
dep1-849f46f8bd-srbnz	1/1	Running	0	6m29s
pod1	1/1	Running	0	23m
pod2	1/1	Running	0	21m
pod3	1/1	Running	0	20m
pod4	1/1	Running	0	20m

```
[root@master assessment]# kubectl get pods
```

NAME	READY	STATUS	RESTARTS	AGE
dep1-849f46f8bd-25tqc	1/1	Running	0	3m10s
dep1-849f46f8bd-7r8gc	1/1	Running	0	98s
dep1-849f46f8bd-r8qff	1/1	Running	0	98s
dep1-849f46f8bd-srbnz	1/1	Running	0	8m3s
pod1	1/1	Running	0	24m
pod2	1/1	Running	0	23m
pod3	1/1	Running	0	22m
pod4	1/1	Running	0	21m



3.

```

[root@ins1 assign]# LS
bash: LS: command not found
[root@ins1 assign]# ls
1.txt 2.txt 3.txt 4.java 5.doc
[root@ins1 assign]#

```

Activities Google Chrome Nov 13 8:45 PM

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2.txt	Delete	1 minute ago
3.txt	Delete	1 minute ago

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github.com/akarsHG21/assignment/.../2aa71910184f7195a53e30d15c6349b611eadd70