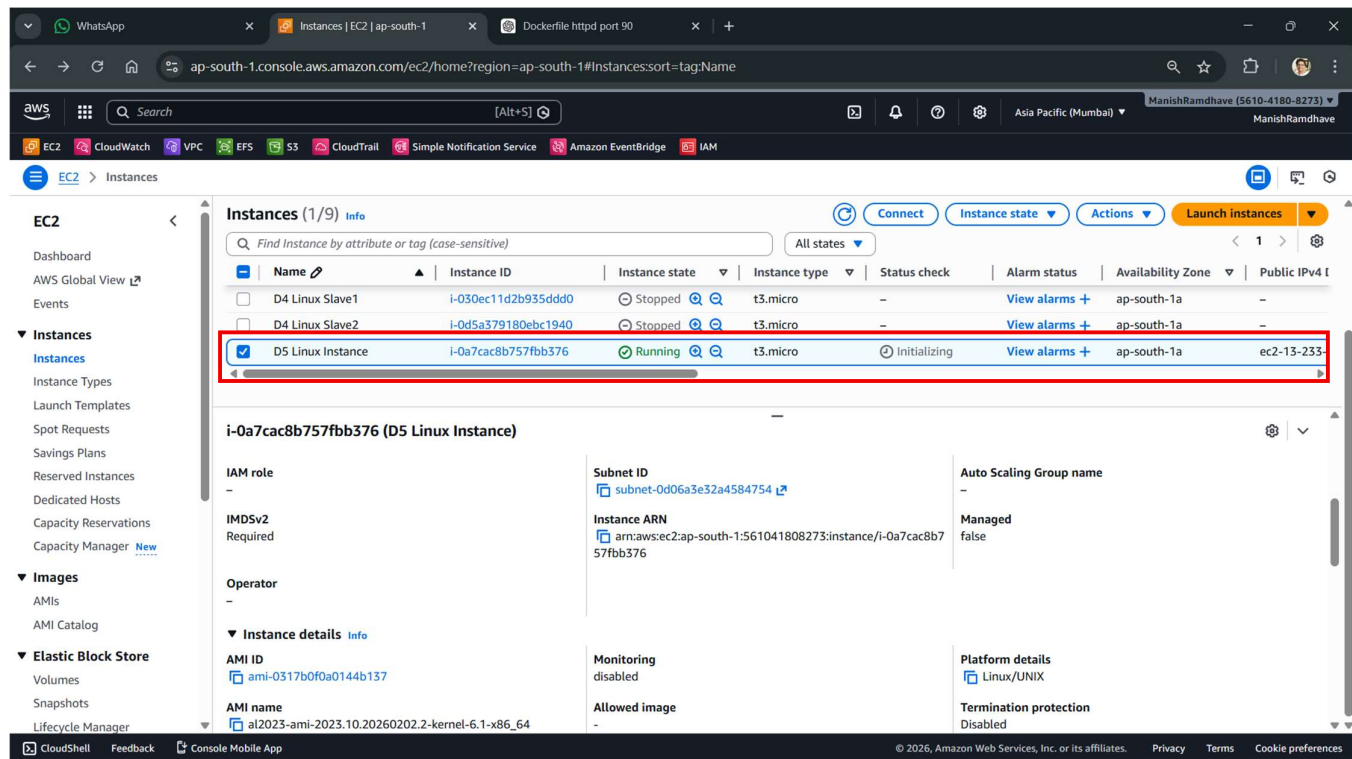
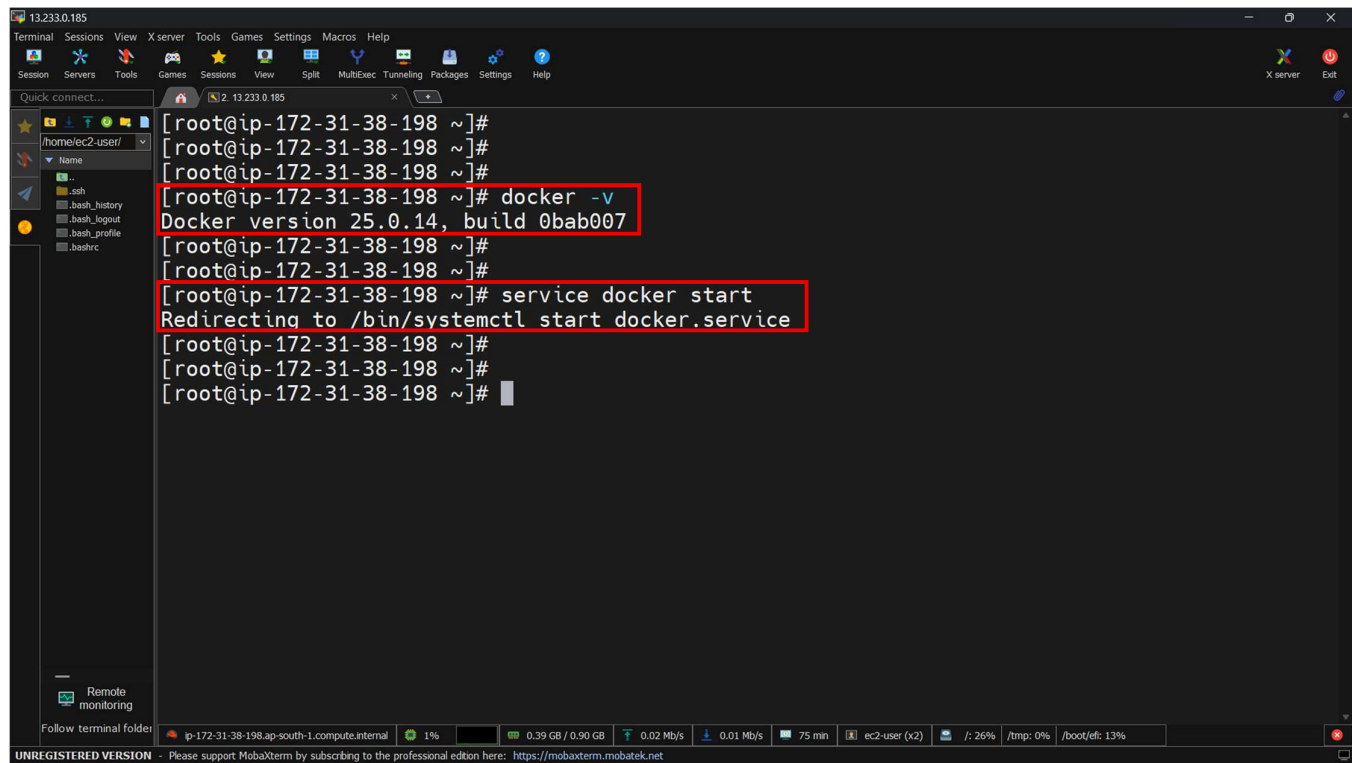


Docker Assignment 5

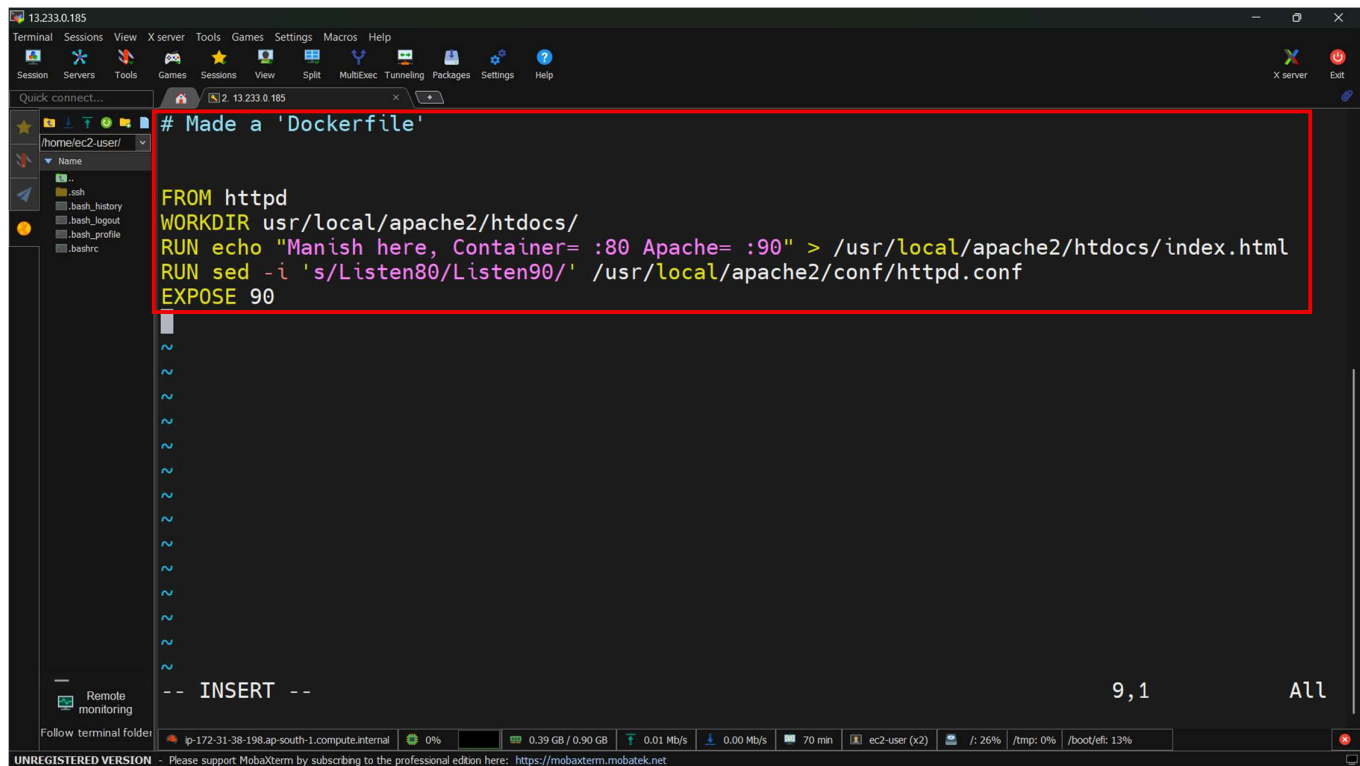
Step 1: Launched an instances for our Docker Host:



Step 2: Installed Docker on the Docker Host:



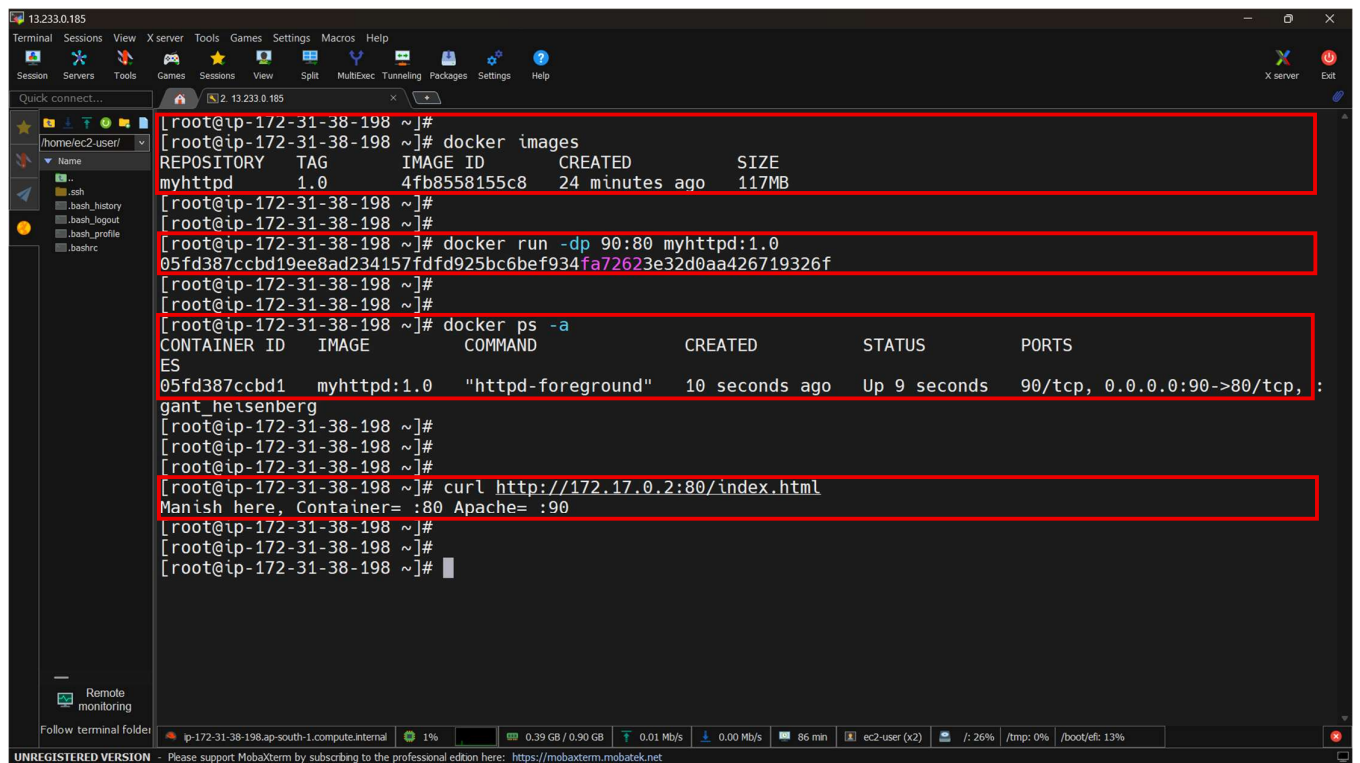
Step 3: Created a 'Dockerfile' on the Docker Host:



```
# Made a 'Dockerfile'

FROM httpd
WORKDIR usr/local/apache2/htdocs/
RUN echo "Manish here, Container= :80 Apache=:90" > /usr/local/apache2/htdocs/index.html
RUN sed -i 's/Listen80/Listen90/' /usr/local/apache2/conf/httpd.conf
EXPOSE 90
```

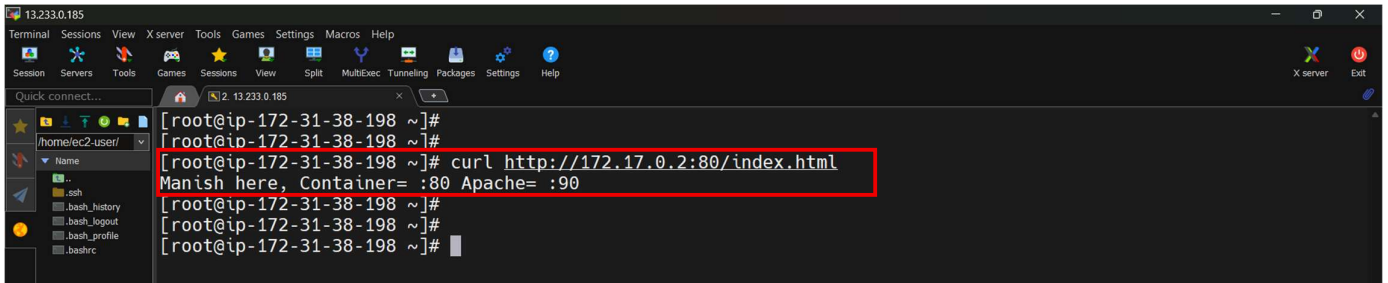
Step 4: Created a new image named 'myapache:1.0' and a new Container by using the new image:



```
[root@ip-172-31-38-198 ~]#
[root@ip-172-31-38-198 ~]# docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
myhttpd 1.0 4fb8558155c8 24 minutes ago 117MB
[root@ip-172-31-38-198 ~]#
[root@ip-172-31-38-198 ~]# docker run -dp 90:80 myhttpd:1.0
05fd387ccbd19ee8ad234157fd925bc6bef934fa72623e32d0aa426719326f
[root@ip-172-31-38-198 ~]#
[root@ip-172-31-38-198 ~]#
[root@ip-172-31-38-198 ~]# docker ps -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS
05fd387ccbd1 myhttpd:1.0 "httpd-foreground" 10 seconds ago Up 9 seconds 90/tcp, 0.0.0.0:90->80/tcp, :gant_heisenberg
[root@ip-172-31-38-198 ~]#
[root@ip-172-31-38-198 ~]#
[root@ip-172-31-38-198 ~]#
[root@ip-172-31-38-198 ~]# curl http://172.17.0.2:80/index.html
Manish here, Container= :80 Apache=:90
[root@ip-172-31-38-198 ~]#
[root@ip-172-31-38-198 ~]#
[root@ip-172-31-38-198 ~]#
```

Results:

1. We have run the 'index.html' file on **Port No.80** from the container and on **Port No.90** from the Apache HTTPD:



A terminal window titled '13.233.0.185' showing a series of commands and their outputs. The prompt is '[root@ip-172-31-38-198 ~]#'. The first command is '[root@ip-172-31-38-198 ~]# curl http://172.17.0.2:80/index.html'. The output is 'Manish here, Container= :80 Apache= :90'. The text 'Manish here, Container= :80 Apache= :90' is highlighted with a red box.

```
[root@ip-172-31-38-198 ~]#  
[root@ip-172-31-38-198 ~]#  
[root@ip-172-31-38-198 ~]# curl http://172.17.0.2:80/index.html  
Manish here, Container= :80 Apache= :90  
[root@ip-172-31-38-198 ~]#  
[root@ip-172-31-38-198 ~]#  
[root@ip-172-31-38-198 ~]#
```

