Advanced Computer Networking and Security - 5800

Assignment -7 DNS IN A BOX

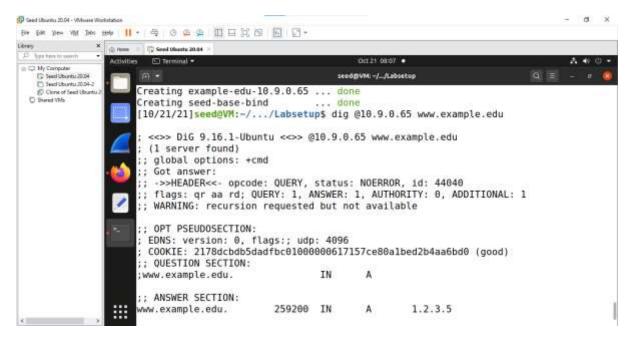
Name: SAI ROHIT JONNADA

ID:700723743

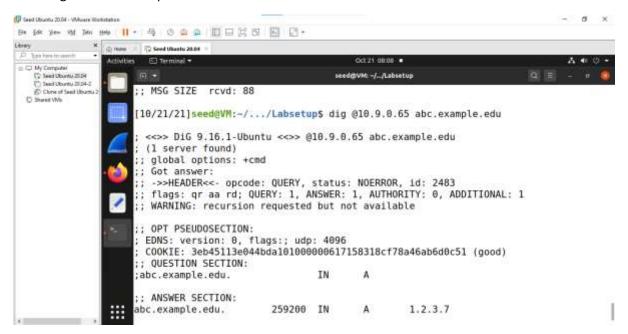
Turning on the docker

```
Creating edu-10.9.0.60 ... done Creating local-dns-10.9.0.53 ... done Creating root-10.9.0.30 ... done Creating example-edu-10.9.0.65 ... done Creating seed-base-bind ... done [10/21/21]seed@VM:~/.../Labsetup$
```

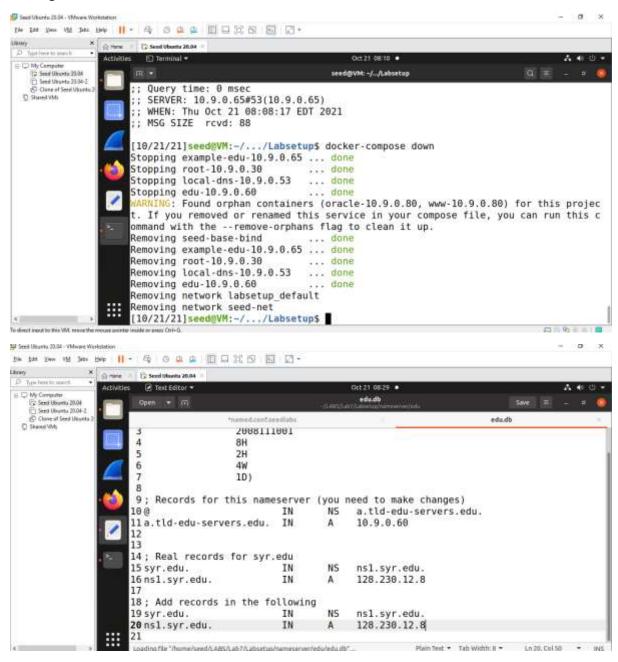
Running the dig command to check the server

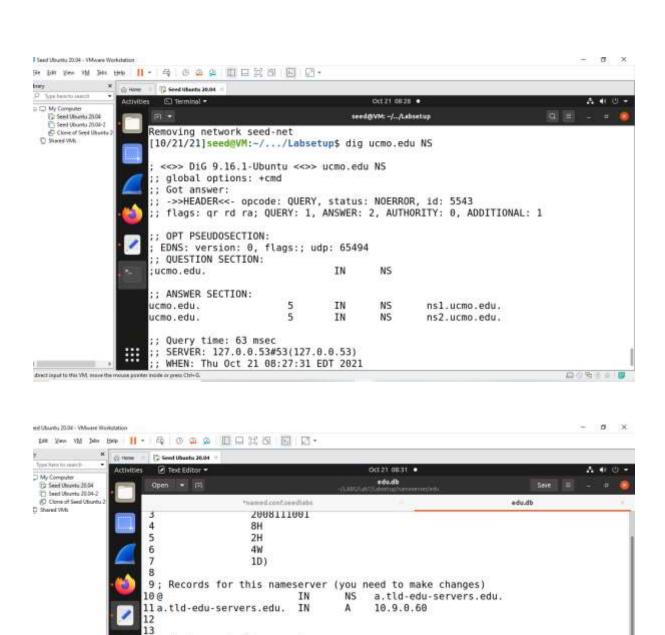


Checking with abc.example.edu



Turning off the docker





NS

NS:

A

nsl.syr.edu.

128,230,12.8

ns2.ucmo.edu.

A 128.230.12.8

Saving file "/home/seed/LABS/Lab7/Labsetup/nameserver/edu/edu.db" Plain Text = Tab Width 8 = Ln 20, Cal 14 = INS

IN

IN

IN

IN

14; Real records for syr.edu

18; Add records in the following

15 syr.edu.

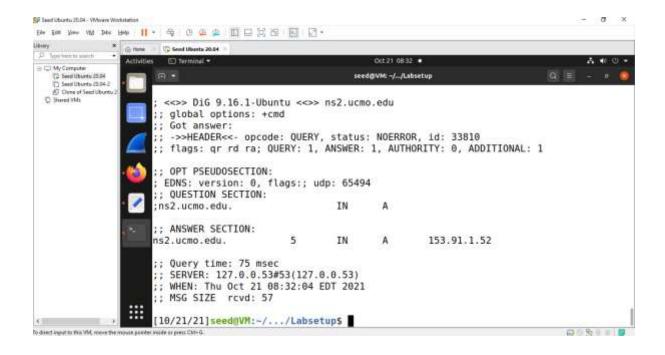
19 syr.edu.

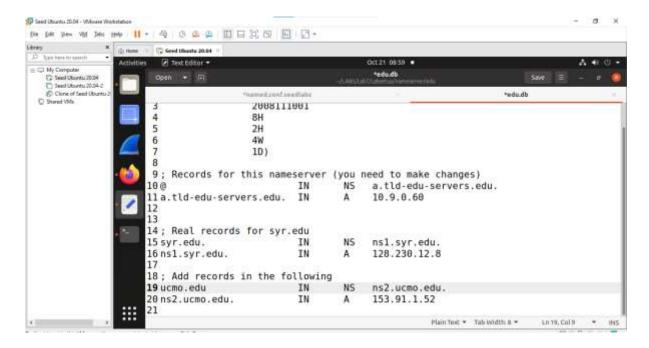
17

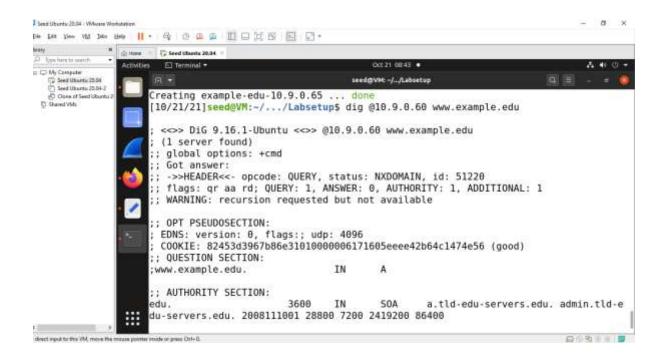
*

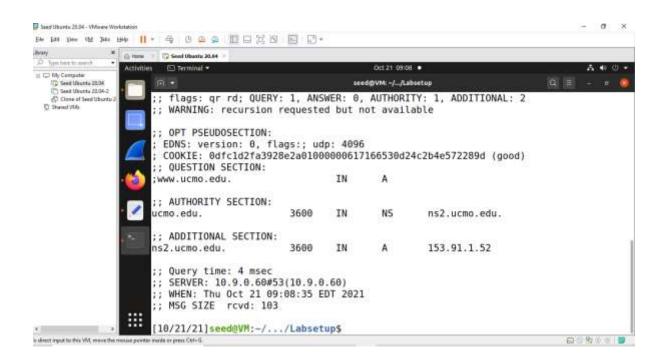
16 nsl.syr.edu.

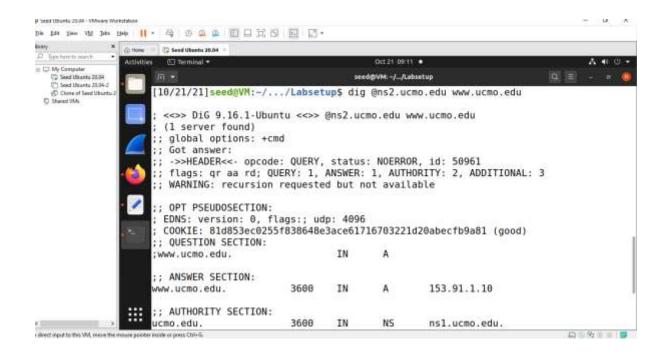
20 ns2.ucmo.edu. 21

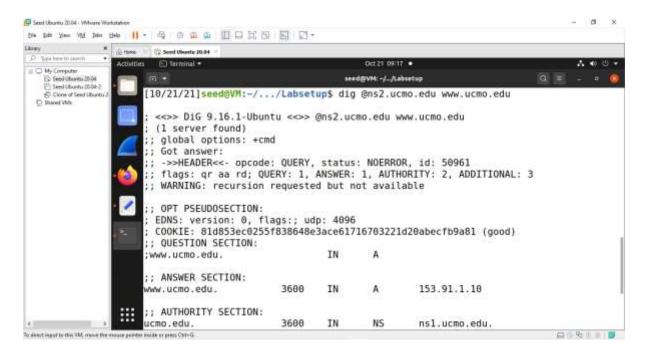


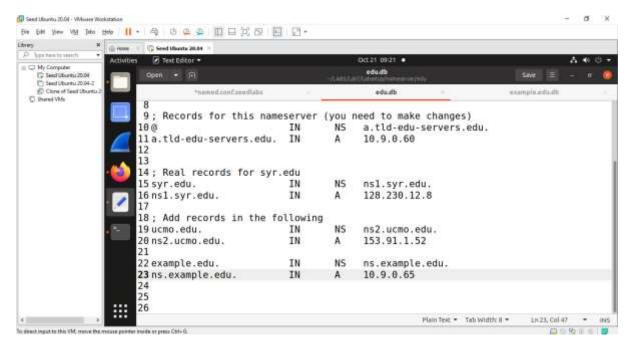




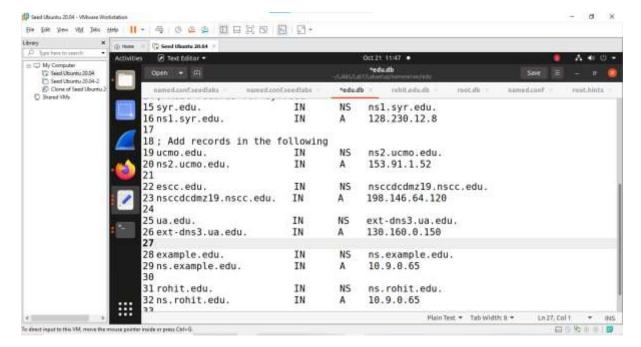




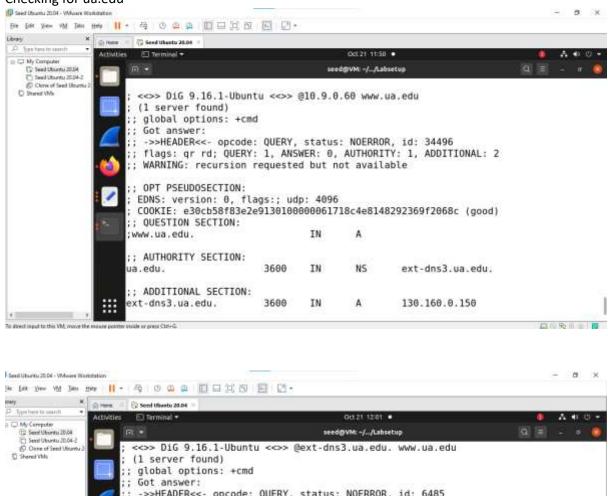




Adding two more domains to the file



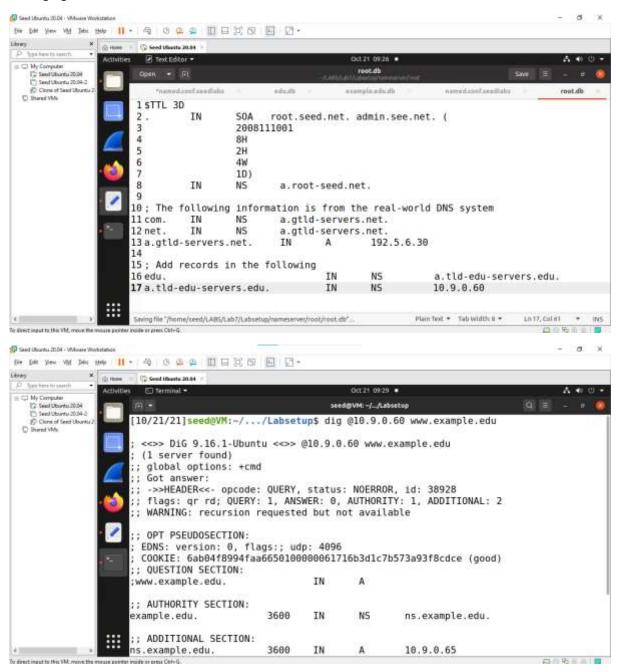
Checking for ua.edu

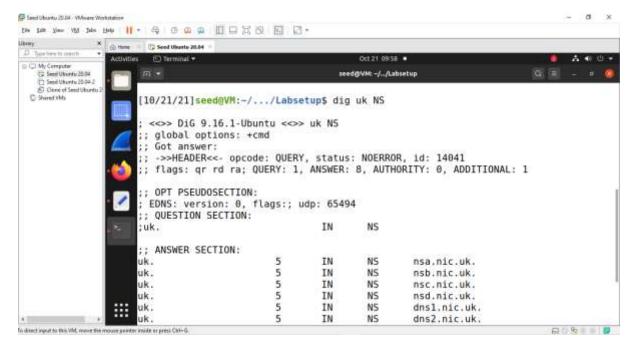


;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 6485 ;; flags: qr aa rd; QUERY: 1, ANSWER: 1, AUTHORITY: 2, ADDITIONAL: 1 ;; WARNING: recursion requested but not available ; OPT PSEUDOSECTION: EDNS: version: 0, flags:; udp: 4096 COOKIE: 34bff5lee8b2633724c810bb61718edcfa031e3d2f03fab1 (good) :: QUESTION SECTION: :www.ua.edu. ;; ANSWER SECTION: www.ua.edu. 300 IN CNAME cws-ua-web.ua.edu. ;; AUTHORITY SECTION: cws-ua-web.ua.edu. 21600 IN NS gslb-nsl.ua.edu. cws-ua-web.ua.edu. 21600 gslb-ns2.ua.edu. ₩ D 8 ...

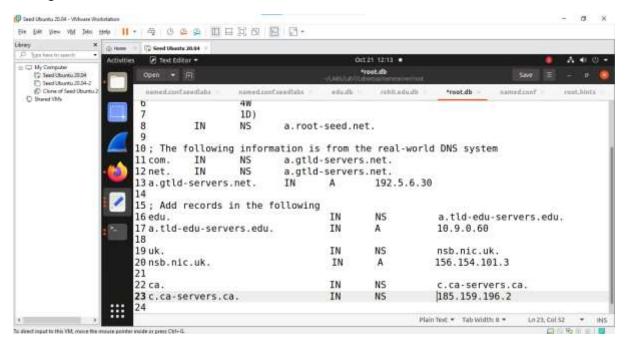
It is perfectly working

Changing in root file

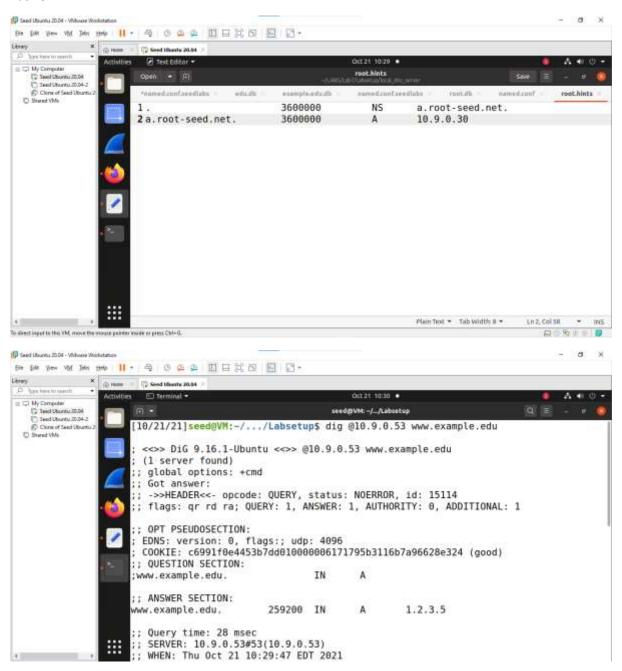


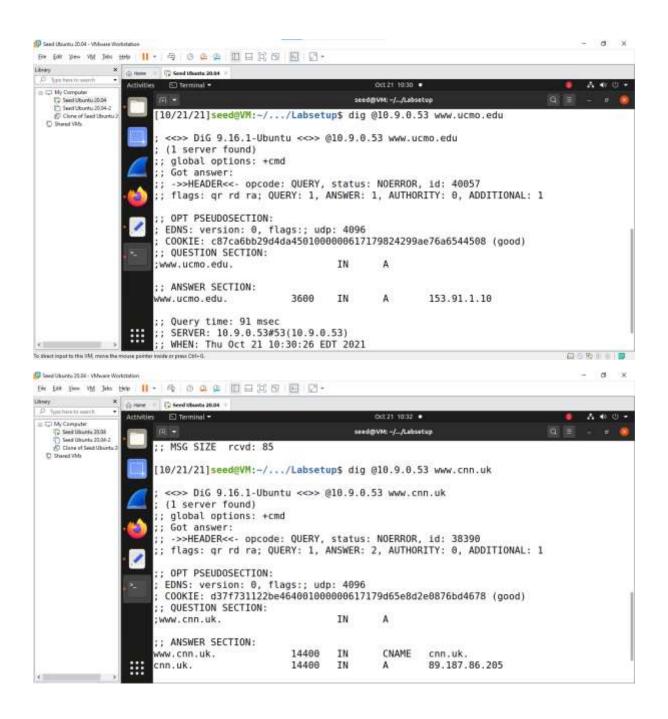


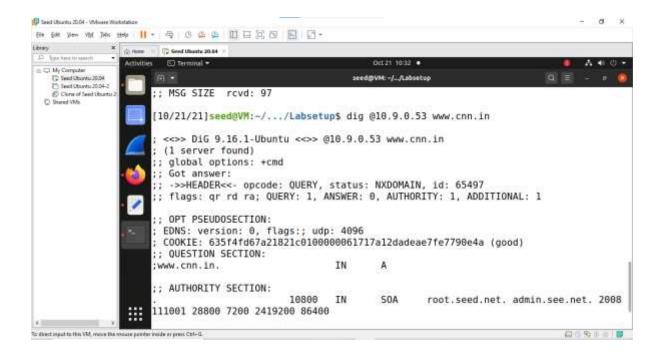
Adding Canada Server



Task 5

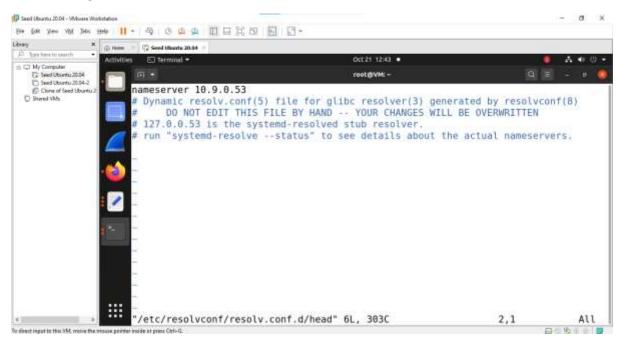




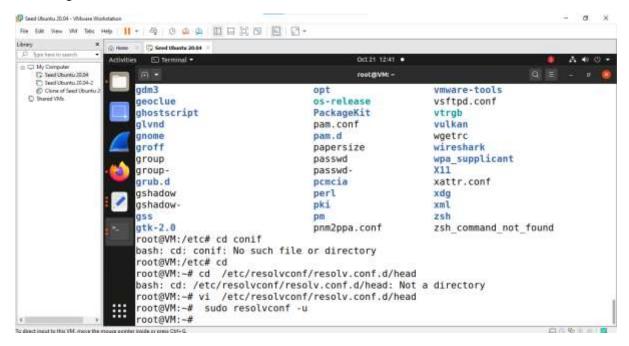


Task 6

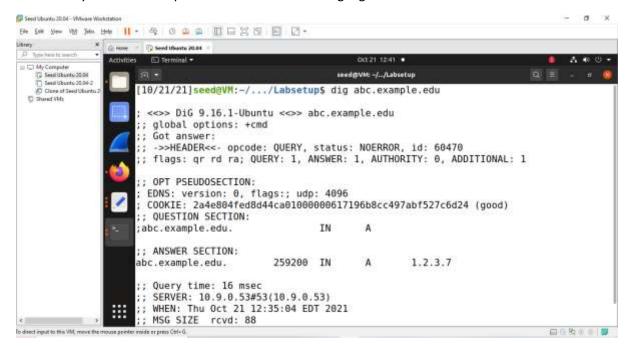
Task 6: Configure our VM to use this local DNS server



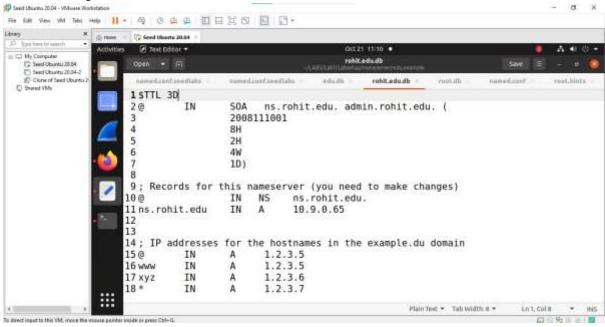
Executing resolvconf -u

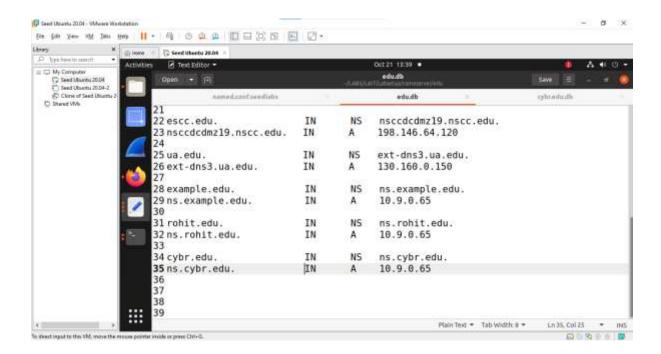


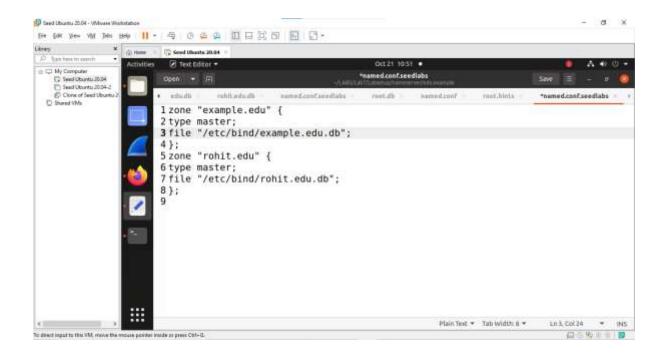
Successfully removed the ip address and checked using dig



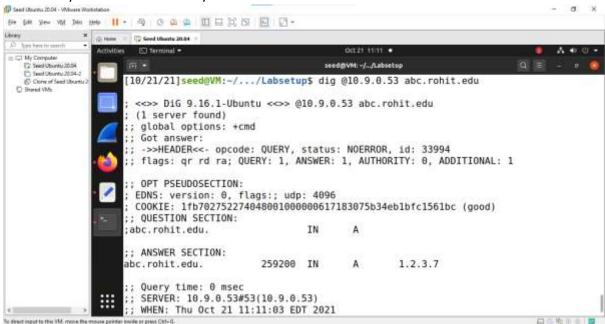
Task 7: Making It More Realistic



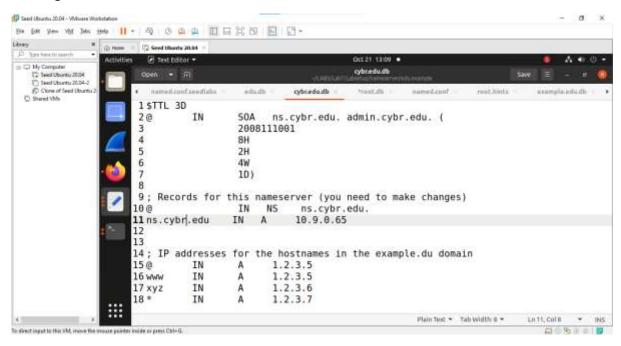


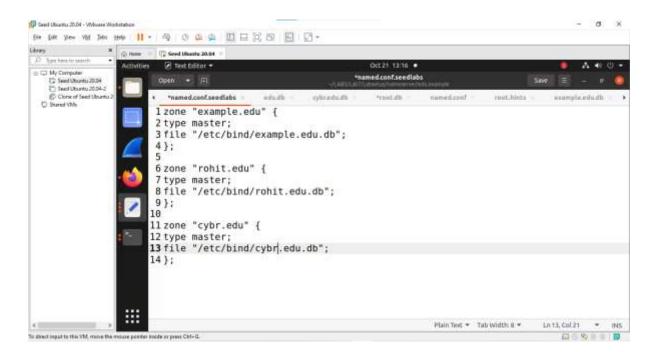


Successfully zone is created on my name



Creating one more zone





Succeffully checked with another zone too

