

# Network Design & Management (IT 3010) 3<sup>rd</sup> Year, 1<sup>st</sup> Semester

# Assignment

# **Apache Web Server/DNS Zones**

Submitted to
Sri Lanka Institute of Information Technology

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In partial fulfillment of the requirements for the Bachelor of Science Special Honors Degree in Information Technology

Declaration I certify that this report does not incorporate without acknowledgement, any material previously submitted for a degree or diploma in any university, and to the best of my knowledge and belief it does not contain any material previously published or written by another person, except where due reference is made in text

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# 1). Create the necessary zone files and files

### 1.DNS named status

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Figure 1-apache server start and status

## 2.Set up firewall

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Last login. Son Nu 2 097-56-45 EDT 2021 on pts/0

Last login. Son Nu 2 097-56-45 EDT 2021 on pts/0

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Lost login. Son Nu 2 097-56-45 EDT 2021 on pts/0

Lost login. Son Nu 2 097-56-45 EDT 2021 on pts
```

Figure 2-set up frewall rules

## 3.Create Zone files in named.conf

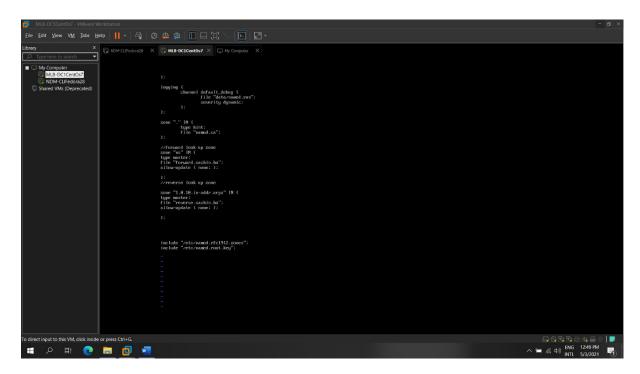


Figure 3-create zone files

#### 4. Create forward zone(forward.sachin.ha)

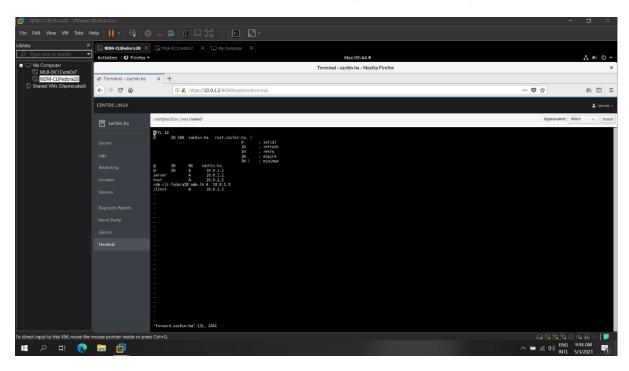


Figure 4-create forward zone

#### 5. Create reverse zone(reverse.sachin.ha)

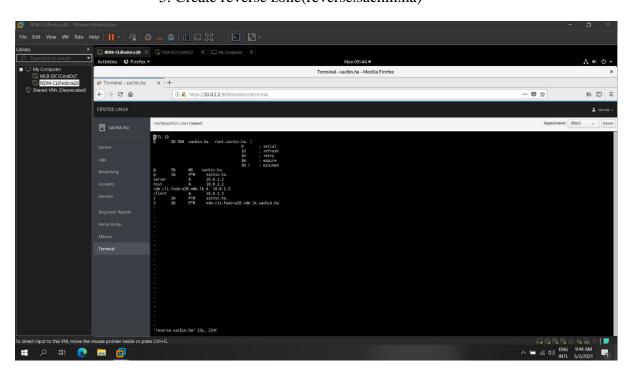


Figure 5-create rever zone

#### 6.check named.conf file correct or not

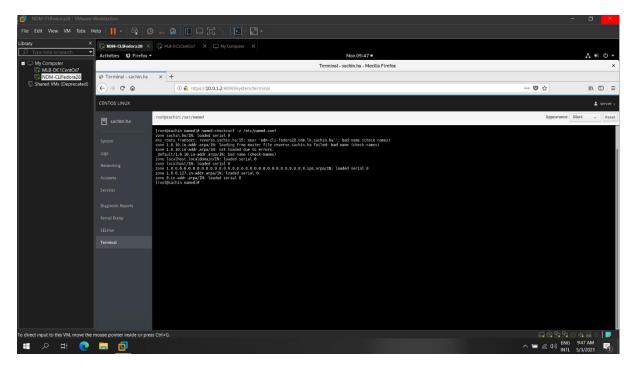


Figure 6- chech whether configuration succesfull or not

7.check reverse and forward(forward.sachin.ha and reverse.sachin.ho)

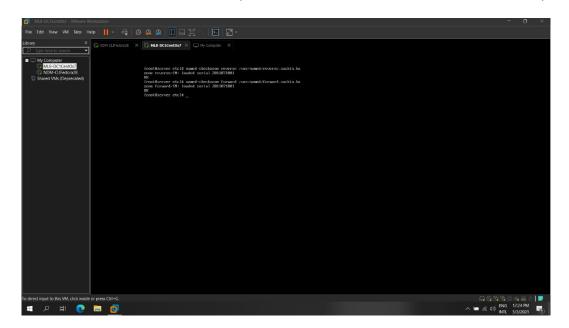


Figure 7-check within files and forward file

# 8. Configure fedora with server ip for DNS(Vi /tec/resolv.conf)

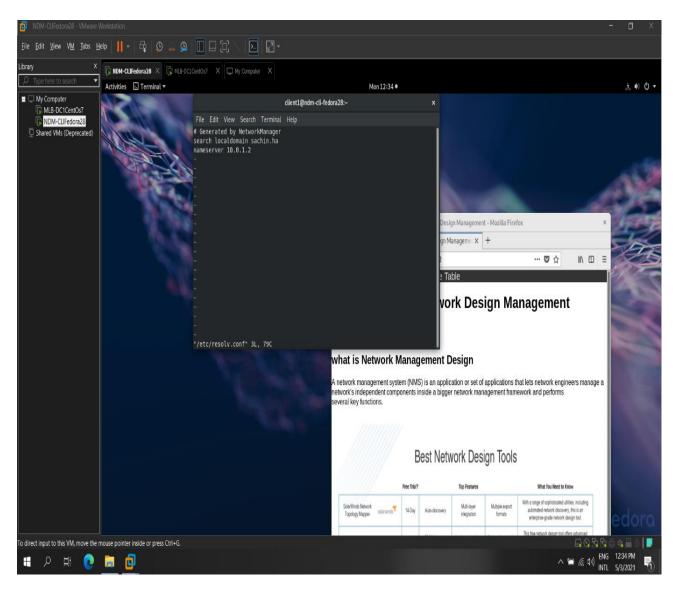


Figure 8-configure fedora with servers ip

#### 9.DNS server make within my name

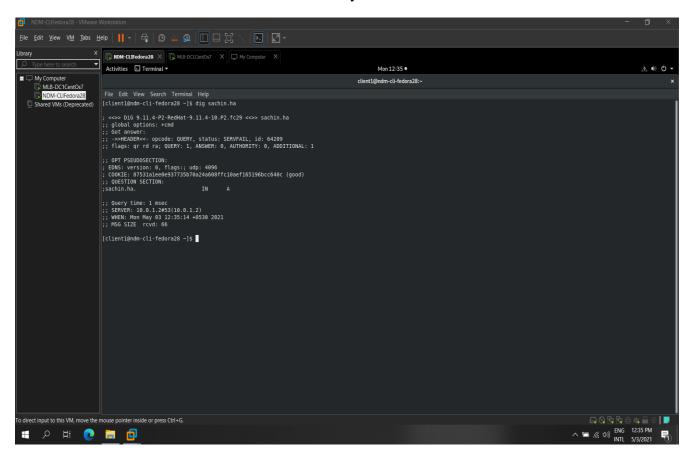


Figure 9-dig command with my name

#### 10. dig command in fedora with my name

Figure 10-dig fedora

#### 2). Apache server

1. Secure the apache server with SSL and configure(openSLL)

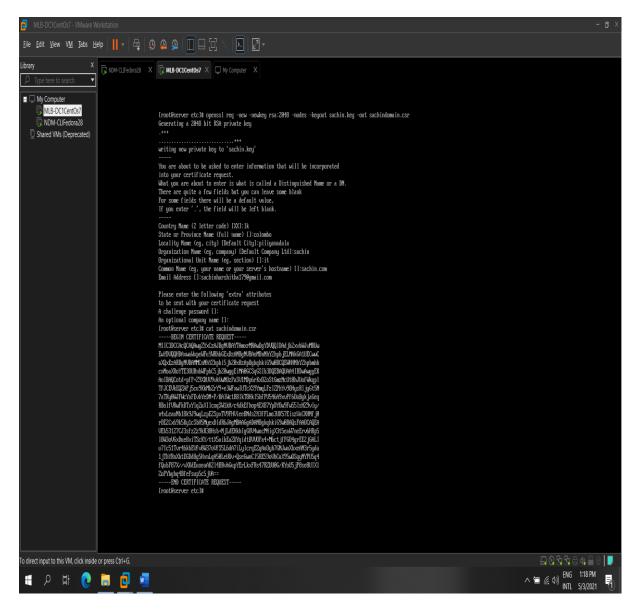


Figure 11-open sll

## 3)Host page

1.Contains page graphical or picture-based information and module of Network Design

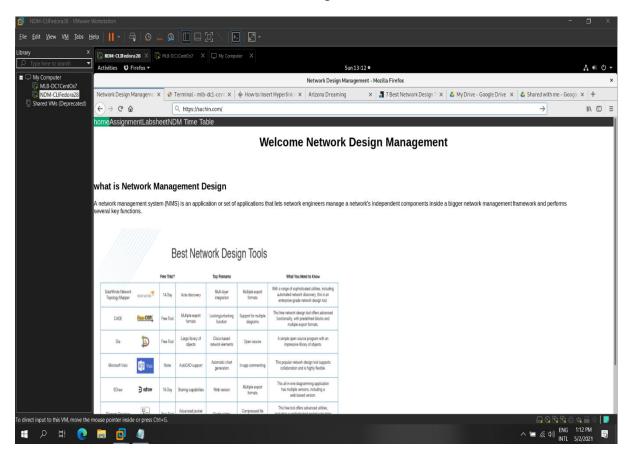


Figure 12-final output

## 2.Navigate other page(NDM Time Table)

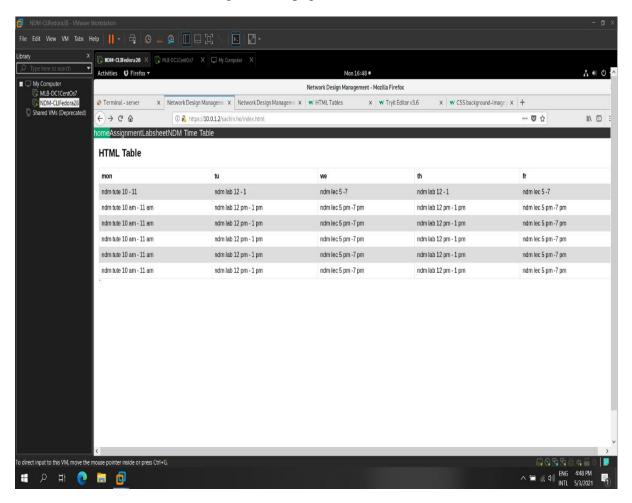


Figure 13-navigate pages