PRACTICALS

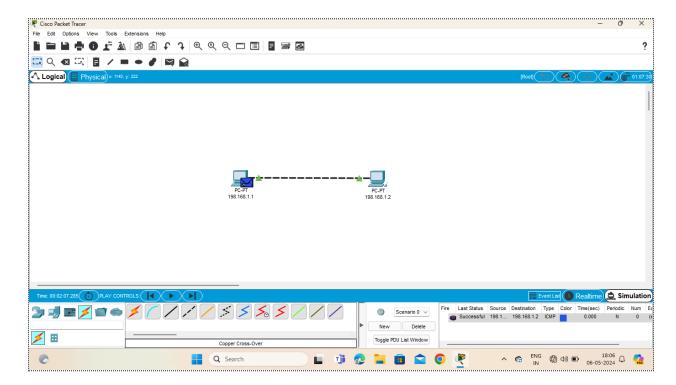
COMPUTER NETWORKS

NAME : PRACHI KUMARI
COURSE : B.Sc. COMP. SCI. HONS.

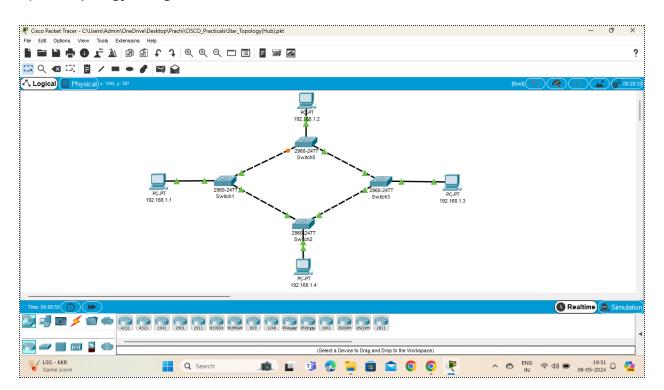
ROLL NO: 22/BS(H)CS/16112

SEMESTER: IV (B)

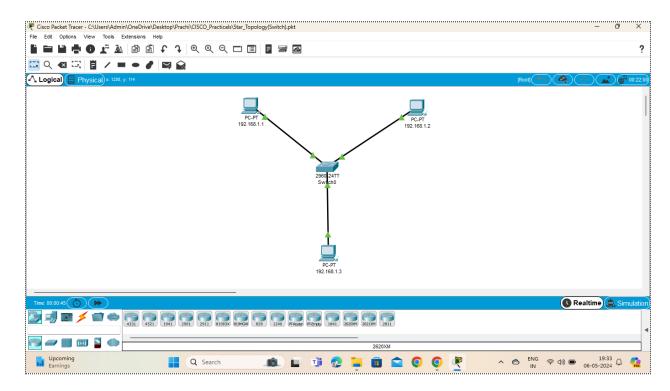
1.)PC to PC communication using ethernet.



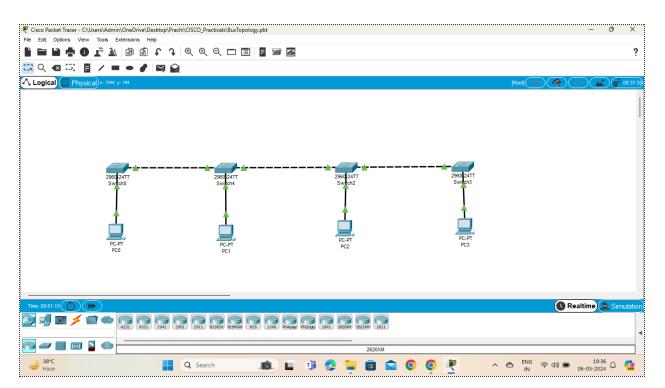
2.)Star topology using a hub.



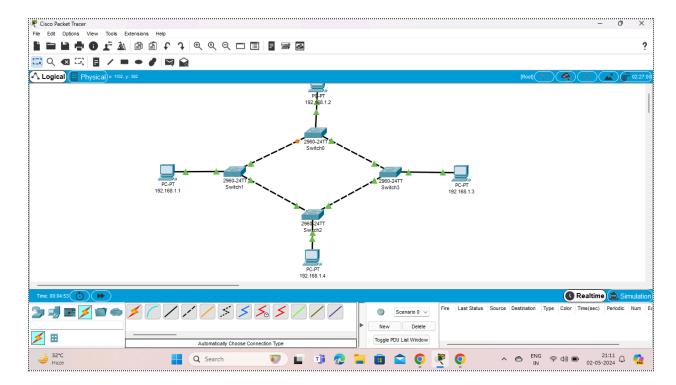
2.) Star topology using a switch.



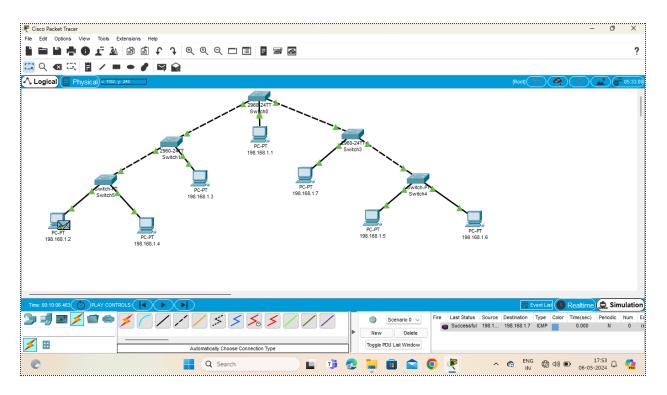
3.)Bus topology.



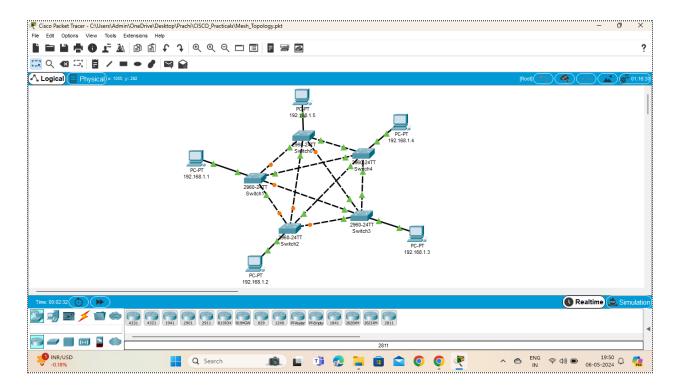
4.)Ring topology.



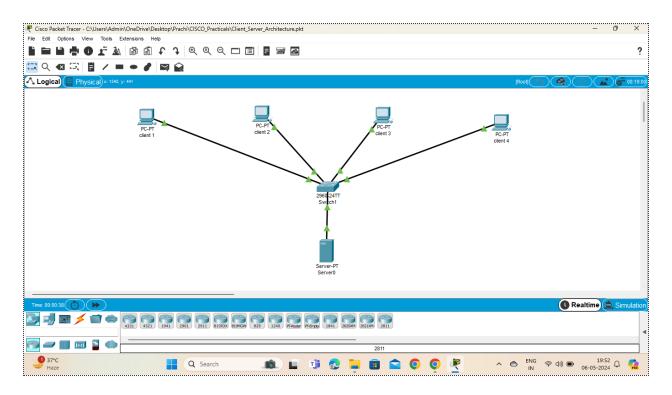
5.) Tree topology.



6.) Mesh topology.



7.)Client Server Network.



8.) Switch Configuration.

Enable: To enter privilege mode

sh run: To show current configuration details

```
PrachiKumari#sh run
Building configuration...

Current configuration : 1201 bytes
!
version 12.2
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
!
hostname PrachiKumari
!
!
!
!
spanning-tree mode pvst
```

Banner showed by sh run:

config t: To enter in the configuration terminal.

```
PrachiKumari#config t
Enter configuration commands, one per line. End with CNTL/Z.
PrachiKumari(config)#line con 0
PrachiKumari(config-line)#password 123@abc
PrachiKumari(config-line)#login
PrachiKumari(config-line)#enable secret abcd@1234
PrachiKumari(config)#
PrachiKumari(config)#
PrachiKumari(config)#exit
PrachiKumari#
%SYS-5-CONFIG_I: Configured from console by console
```

User side after above configuration:

9.)Router configuration

Enable : To enter privilege mode

```
Router>enable
Router#enable
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname Prachi_1
```

Banner motd: To set banner (message of the day).

Showing banner using sh run:

config t: To enter configuration terminal.

```
Prachi_l#enable
Prachi_l#config t
Enter configuration commands, one per line. End with CNTL/Z.
Prachi_l(config)#line con 0
Prachi_l(config-line)#password prachil23
Prachi_l(config-line)#login
Prachi_l(config-line)#enable secret admin@123
Prachi_l(config-line)#enable recret admin@123
Prachi_l(config)#exit
Prachi_l#
%SYS-5-CONFIG_I: Configured from console by console
```

User side after configuration: