

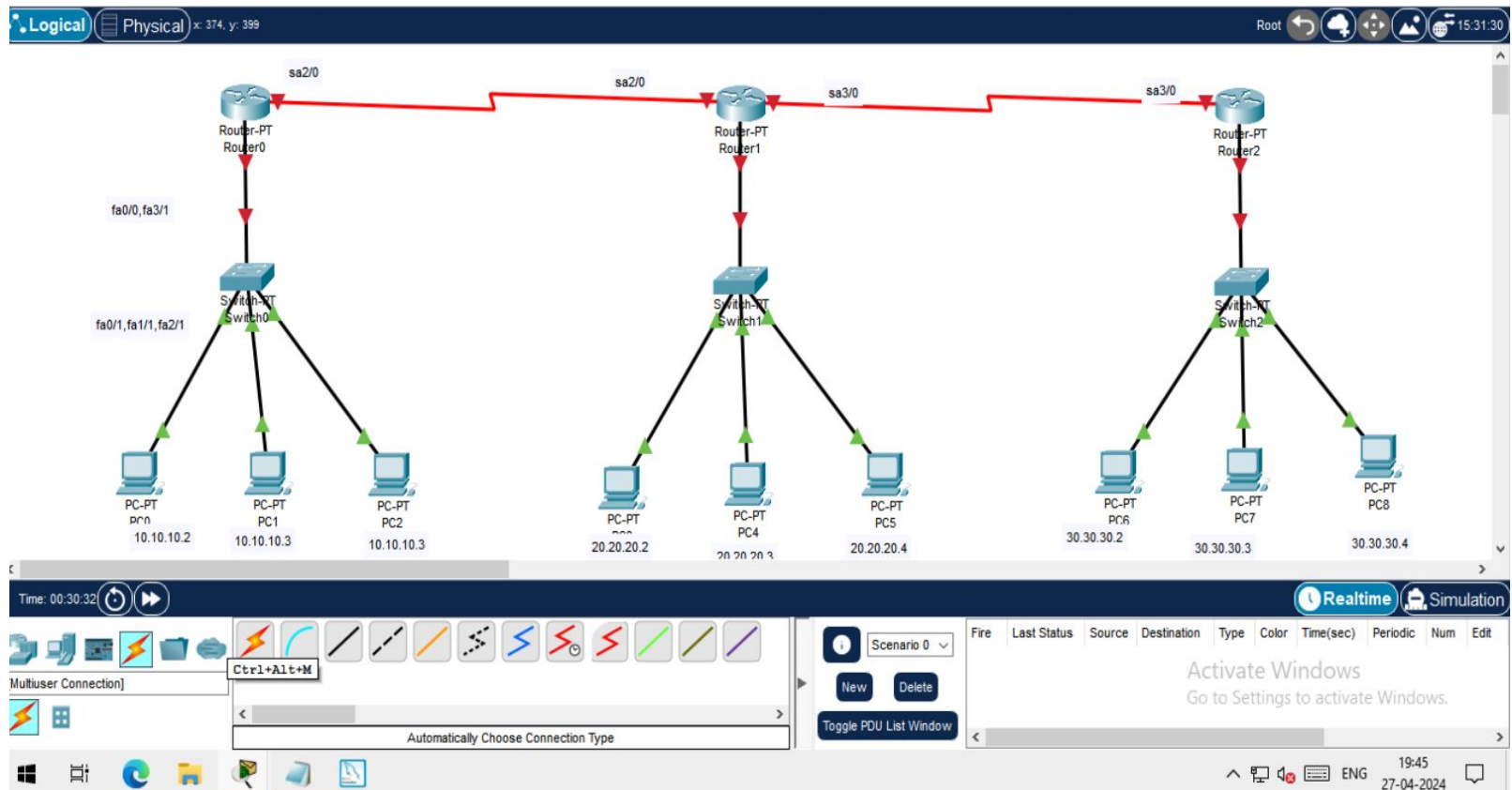
# TASK: BGP USING 3 ROUTER

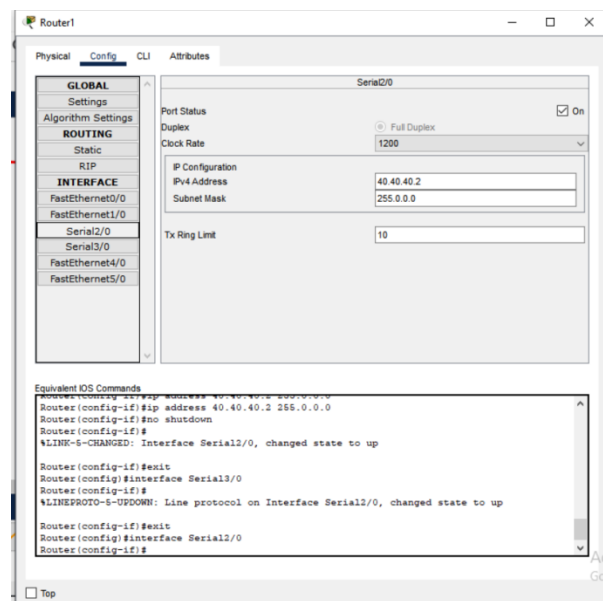
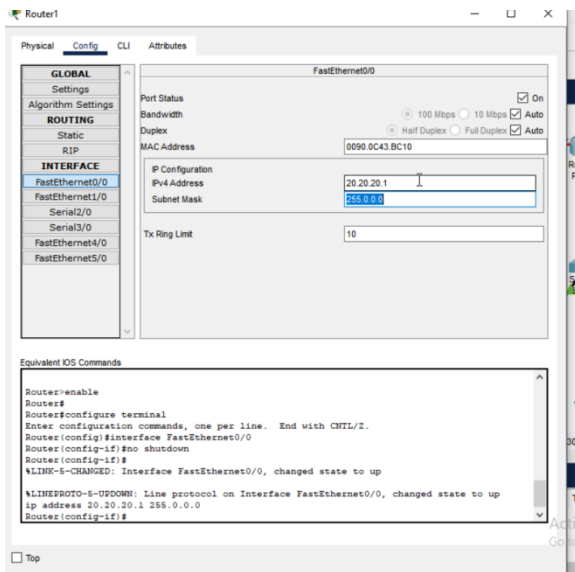
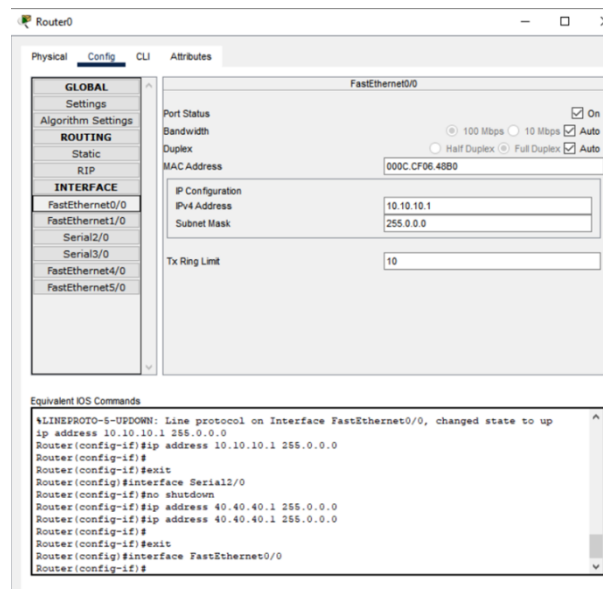
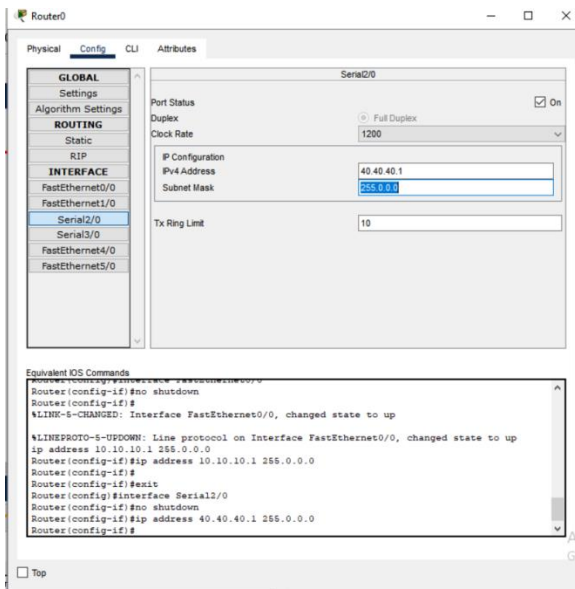
-Using packet tracker,create a network with 3 router with bgp and each router associated network will have minimum 3pc and 3switches show connectivity

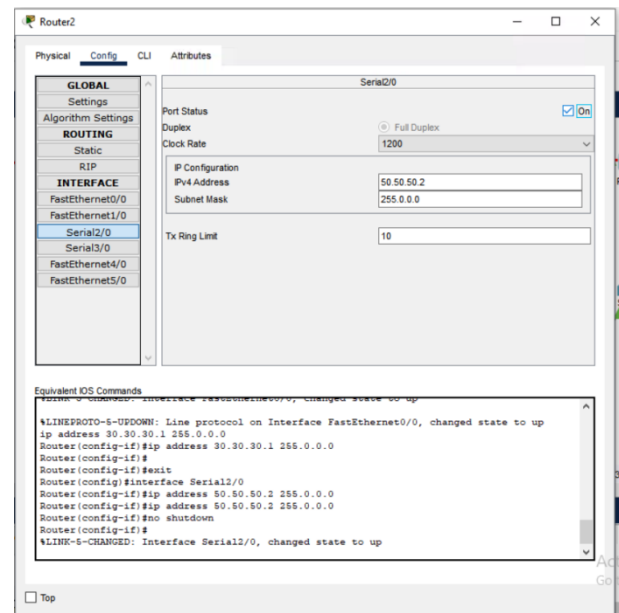
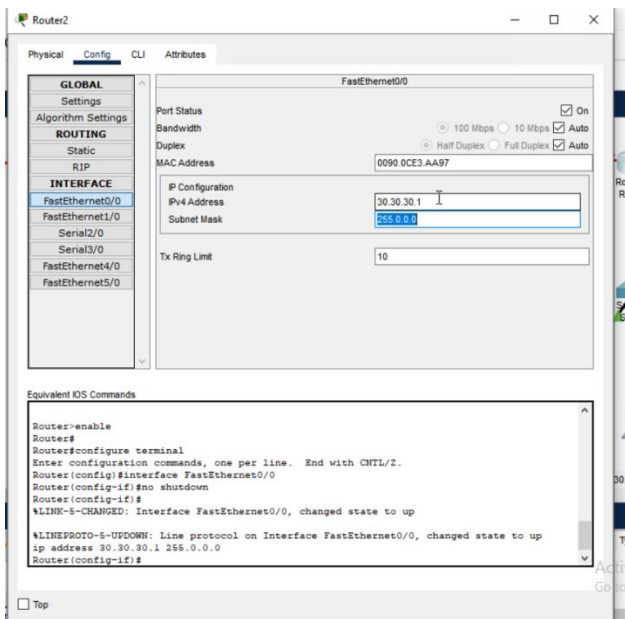
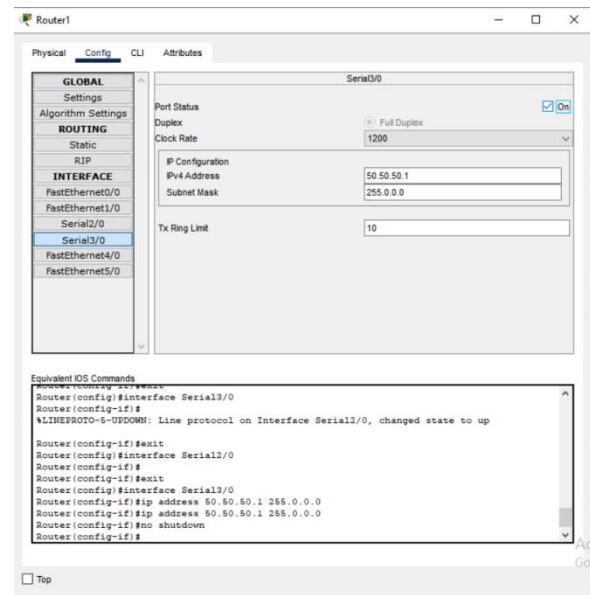
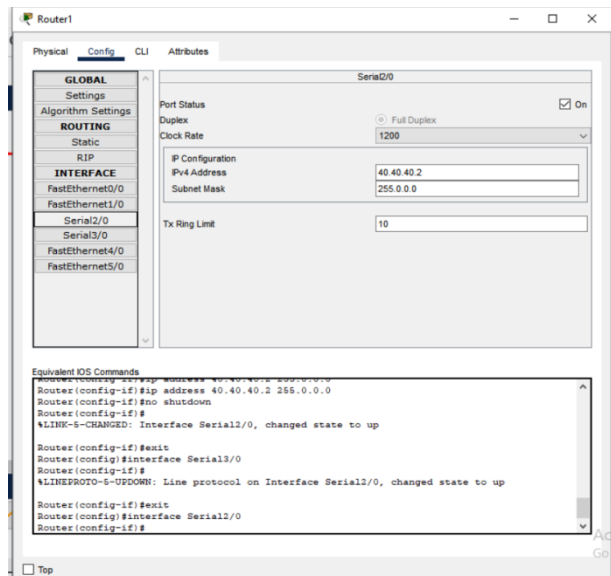
step-1- add 3 router, 9pc and 3 switches.

Step2- add wires with each other.

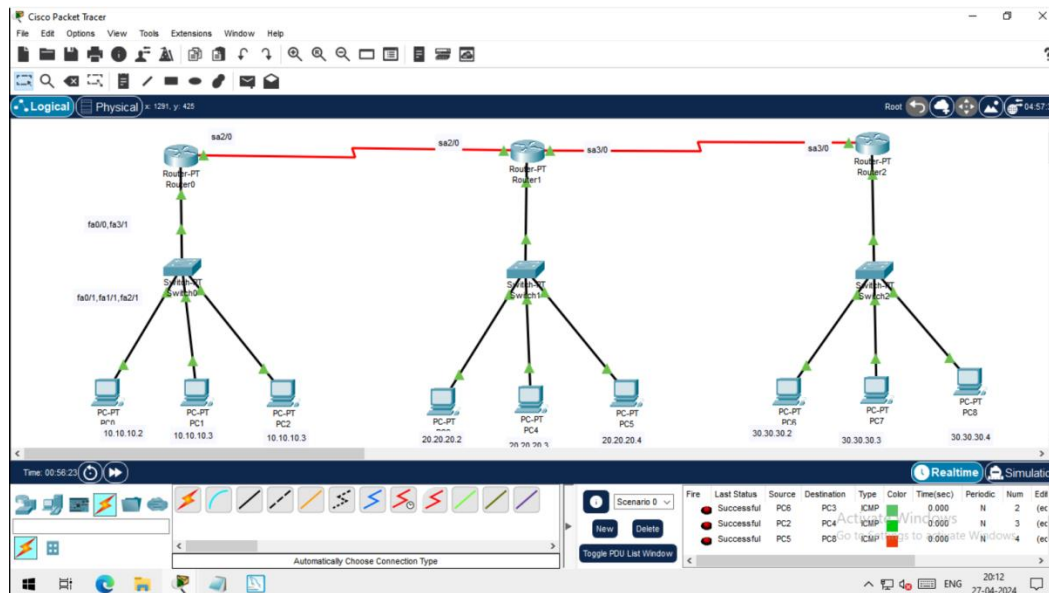
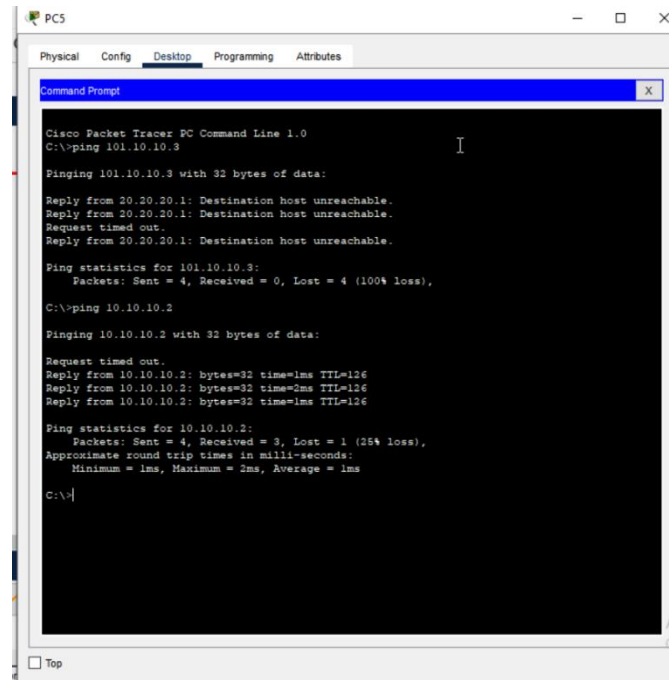
Step3-add ip address to pc





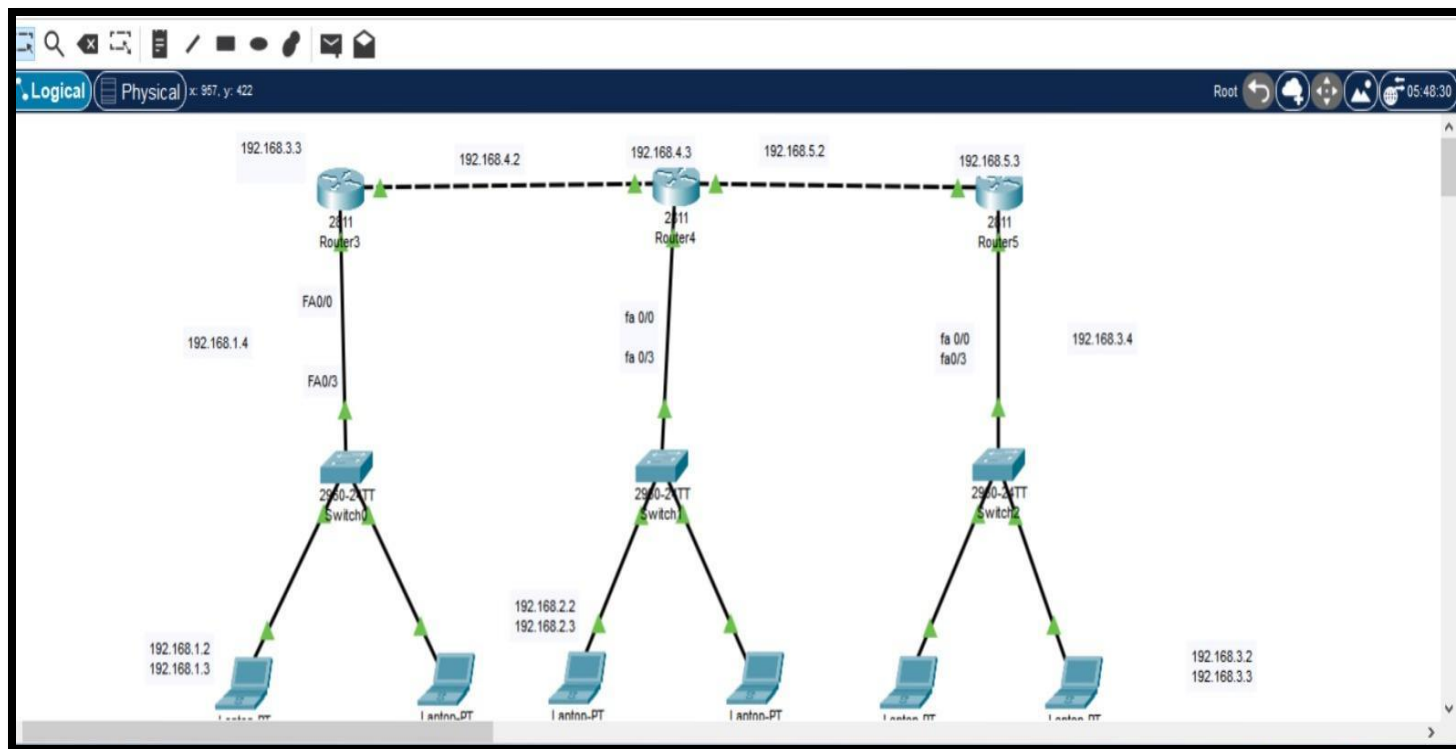






## Task: RIP configuration in 3 Routers

- Open ciscopacket tracker add 6 pc (Pc0,pPS1,pc2,pc3,pc4,pc5)and there ip address
- Add 3 switches and 3 router respectively .
- Connect pc to switches using automatic wire.
- Now add ip adress .
- Now router 2 can't connect with other router so go to router config and add ip address and default adreaaand add extrenal ports.-npw routers are connected with each other



Laptop0

Physical Config Desktop Programming Attributes

P Configuration X

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 192.168.1.2

Subnet Mask 255.255.255.0

Default Gateway 192.168.1.4

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::2E0:B0FF:FEAD:B2BE

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

Top

Router3

Physical Config CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

FastEthernet1/0

FastEthernet0/0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 00D0.D34B.4701

IP Configuration

IPv4 Address 192.168.1.4

Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

```
Router#copy running-config startup-config
Destination filename [startup-config]?
Building configuration...
[OK]
Router#
%SYS-5-CONFIG_I: Configured from console by console

?Bad filename
%Error parsing filename (Bad file number)
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
```

Top



Router3

Physical Config CLI Attributes

GLOBAL

- Settings
- Algorithm Settings
- ROUTING
  - Static
  - RIP
- SWITCHING
  - VLAN Database
- INTERFACE
  - FastEthernet0/0
  - FastEthernet0/1
  - FastEthernet1/0

RIP Routing

Network 192.168.4.0

Add

Network Address

Remove

Equivalent IOS Commands

```
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/1
Router(config-if)#
?Bad filename
%Error parsing filename (Bad file number)
Router(config-if)#
Router(config-if)#exit
Router(config)#router rip
Router(config-router)#
```

☐ Top

Router4

Physical Config CLI Attributes

GLOBAL

- Settings
- Algorithm Settings
- ROUTING
  - Static
  - RIP
- SWITCHING
  - VLAN Database
- INTERFACE
  - FastEthernet0/0
  - FastEthernet0/1
  - FastEthernet1/0

RIP Routing

Network

Add

Network Address

- 192.168.2.0
- 192.168.4.0
- 192.168.5.0

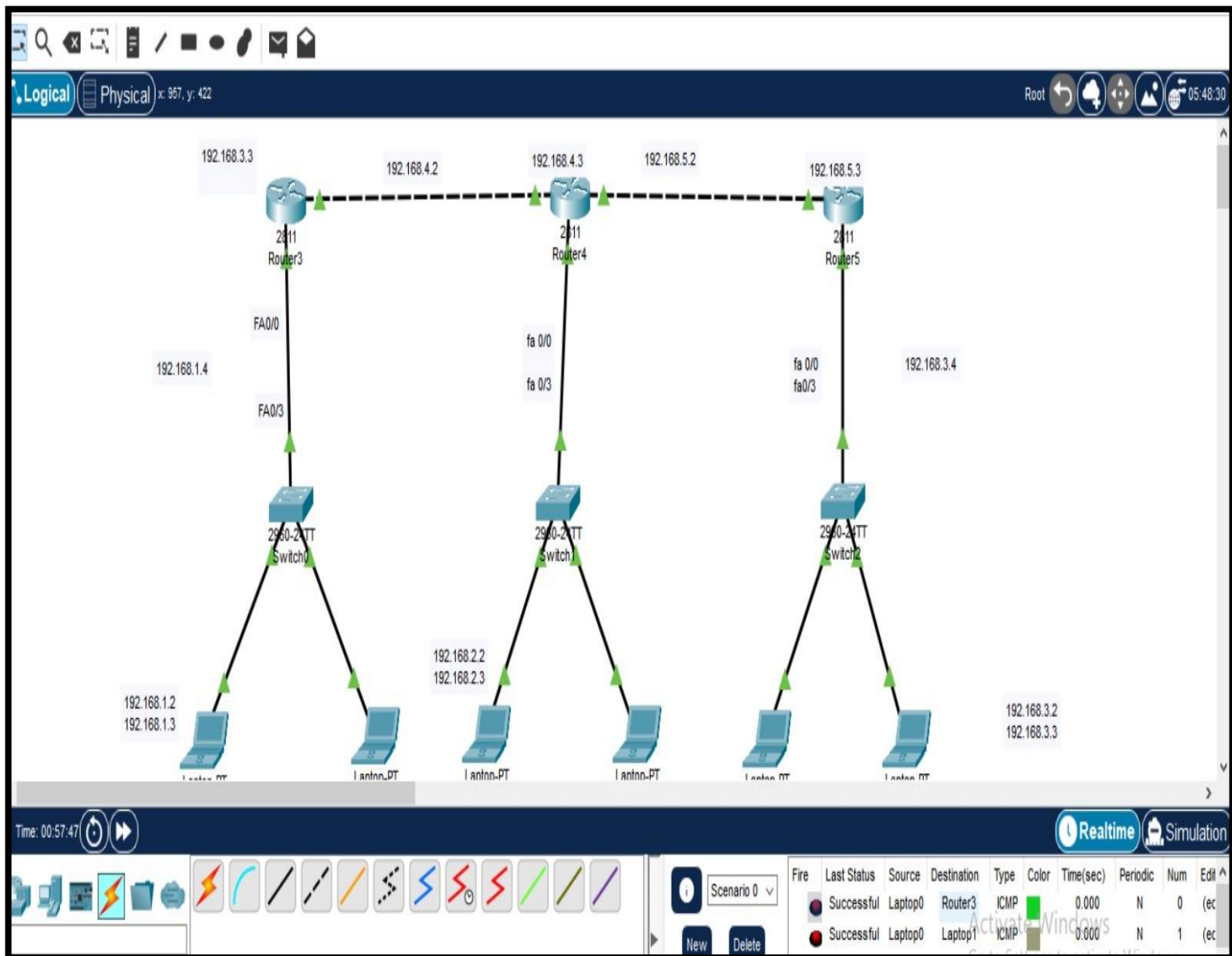
Remove

Equivalent IOS Commands

```
no network 192.168.5.0
Router(config-router)#no network 192.168.5.0
Router(config-router)#
Router(config-router)#
Router(config-router)#end
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router rip
Router(config-router)#
%SYS-5-CONFIG_I: Configured from console by console
network 192.168.2.0
Router(config-router)#network 192.168.4.0
Router(config-router)#network 192.168.5.0
Router(config-router)#
```

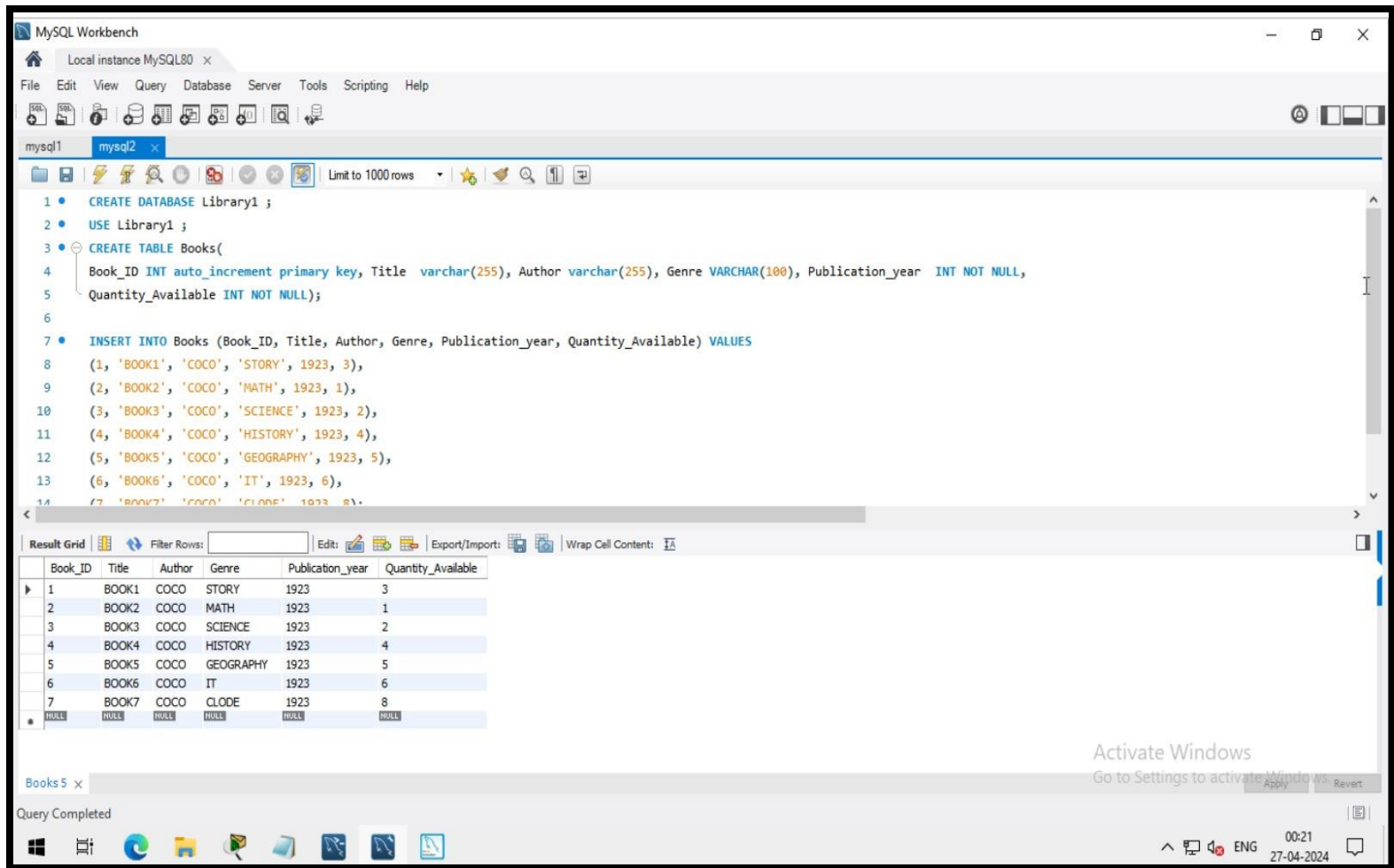
☐ Top





# Task: To create database for local library

-Create database databasename, Use database, create table tablename and columns, insert in to table .



The screenshot displays the MySQL Workbench interface. The SQL editor at the top contains the following code:

```
1 • CREATE DATABASE Library1 ;
2 • USE Library1 ;
3 • CREATE TABLE Books(
4   Book_ID INT auto_increment primary key, Title varchar(255), Author varchar(255), Genre VARCHAR(100), Publication_year INT NOT NULL,
5   Quantity_Available INT NOT NULL);
6
7 • INSERT INTO Books (Book_ID, Title, Author, Genre, Publication_year, Quantity_Available) VALUES
8   (1, 'BOOK1', 'COCO', 'STORY', 1923, 3),
9   (2, 'BOOK2', 'COCO', 'MATH', 1923, 1),
10  (3, 'BOOK3', 'COCO', 'SCIENCE', 1923, 2),
11  (4, 'BOOK4', 'COCO', 'HISTORY', 1923, 4),
12  (5, 'BOOK5', 'COCO', 'GEOGRAPHY', 1923, 5),
13  (6, 'BOOK6', 'COCO', 'IT', 1923, 6),
14  (7, 'BOOK7', 'COCO', 'CLODE', 1923, 8);
```

Below the editor, the 'Result Grid' tab is active, showing the data inserted into the 'Books' table:

| Book_ID | Title | Author | Genre     | Publication_year | Quantity_Available |
|---------|-------|--------|-----------|------------------|--------------------|
| 1       | BOOK1 | COCO   | STORY     | 1923             | 3                  |
| 2       | BOOK2 | COCO   | MATH      | 1923             | 1                  |
| 3       | BOOK3 | COCO   | SCIENCE   | 1923             | 2                  |
| 4       | BOOK4 | COCO   | HISTORY   | 1923             | 4                  |
| 5       | BOOK5 | COCO   | GEOGRAPHY | 1923             | 5                  |
| 6       | BOOK6 | COCO   | IT        | 1923             | 6                  |
| 7       | BOOK7 | COCO   | CLODE     | 1923             | 8                  |
|         | HULL  | HULL   | HULL      | HULL             | HULL               |

The status bar at the bottom indicates 'Query Completed' and 'Books 5 x'. The Windows taskbar at the very bottom shows the date as 27-04-2024 and the time as 00:21.

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

mysql1 mysql2 x

Limit to 1000 rows

```
1 • CREATE DATABASE Library1 ;
2 • USE Library1 ;
3 • CREATE TABLE Books(
4   Book_ID INT auto_increment primary key, Title varchar(255), Author varchar(255), Genre VARCHAR(100), Publication_year INT NOT NULL,
5   Quantity_Available INT NOT NULL);
6
7 • INSERT INTO Books (Book_ID, Title, Author, Genre, Publication_year, Quantity_Available) VALUES
8   (1, 'BOOK1', 'COCO', 'STORY', 1923, 3),
9   (2, 'BOOK2', 'COCO', 'MATH', 1923, 1),
10  (3, 'BOOK3', 'COCO', 'SCIENCE', 1923, 2),
11  (4, 'BOOK4', 'COCO', 'HISTORY', 1923, 4),
12  (5, 'BOOK5', 'COCO', 'GEOGRAPHY', 1923, 5),
13  (6, 'BOOK6', 'COCO', 'IT', 1923, 6),
14  (7, 'BOOK7', 'COCO', 'CLONE', 1923, 8);
```

Result Grid

| Book_ID | Title | Author | Genre     | Publication_year | Quantity_Available |
|---------|-------|--------|-----------|------------------|--------------------|
| 1       | BOOK1 | COCO   | STORY     | 1923             | 3                  |
| 2       | BOOK2 | COCO   | MATH      | 1923             | 1                  |
| 3       | BOOK3 | COCO   | SCIENCE   | 1923             | 2                  |
| 4       | BOOK4 | COCO   | HISTORY   | 1923             | 4                  |
| 5       | BOOK5 | COCO   | GEOGRAPHY | 1923             | 5                  |
| 6       | BOOK6 | COCO   | IT        | 1923             | 6                  |
| 7       | BOOK7 | COCO   | CLONE     | 1923             | 8                  |
| * NULL  | NULL  | NULL   | NULL      | NULL             | NULL               |

Books 5 x

Query Completed

Activate Windows  
Go to Settings to activate Windows.

00:21  
27-04-2024