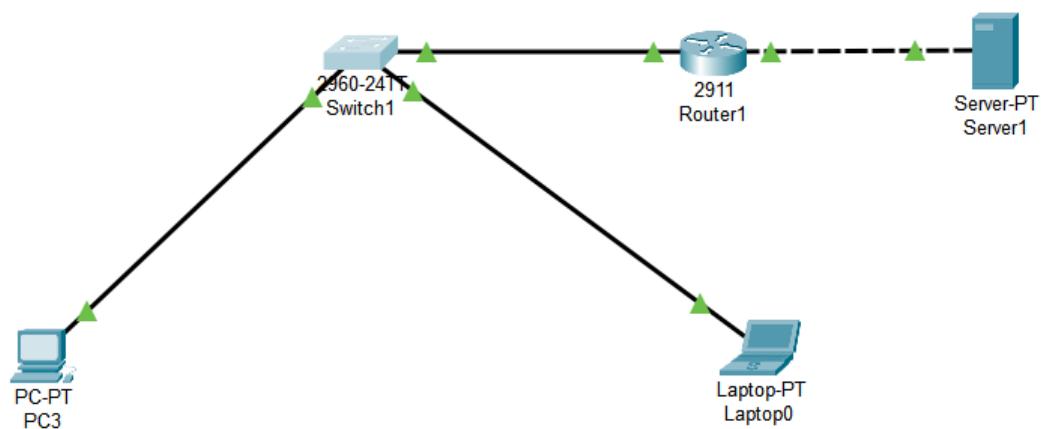


Practical – 3

Aim of the Practical :- Configuration of an Web Server in Cisco packet tracker.

1. Create a single network using switch, End Devices and Server. Create a Web page on server and open it on Web Browser.

Ans:



HTTP

<input checked="" type="radio"/> On	<input type="radio"/> Off
-------------------------------------	---------------------------

HTTPS

<input checked="" type="radio"/> On	<input type="radio"/> Off
-------------------------------------	---------------------------

File Manager

File Name	Edit	Delete
1 index.html	(edit)	(delete)

```
        margin-top: 20px;
        box-shadow: 0 2px 5px rgba(0,0,0,0.1);
    }
.info h2 {
    color: #003366;
    border-bottom: 2px solid #003366;
    padding-bottom: 10px;
}
</style>
</head>
<body>
<header>
    <h1>Kunj Thakkar</h1>
    <p>Cybersecurity Enthusiast</p>
</header>

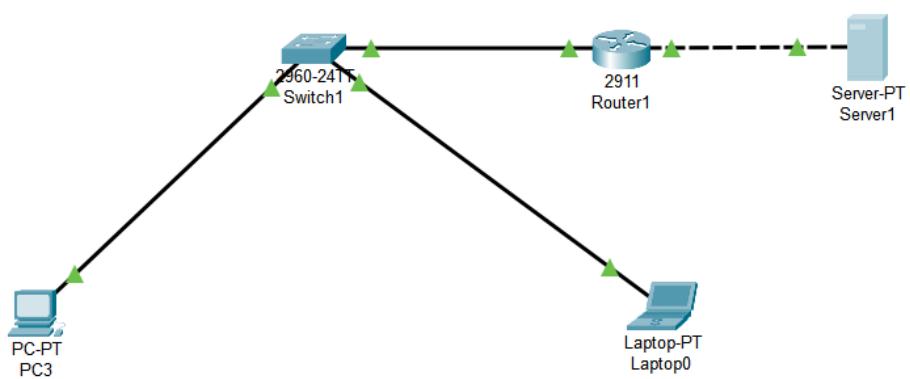
<div class="info">
    <h2>About Me</h2>
    <p>Hello! I'm Kunj Thakkar, a passionate student of cybersecurity from Ahmedabad, Gujarat. I'm currently pursuing my education at the prestigious Indian Institute of Information Technology.</p>
</div>

<div class="info">
    <h2>Education</h2>
    <p><strong>College:</strong> Indian Institute of Information Technology</p>
</div>

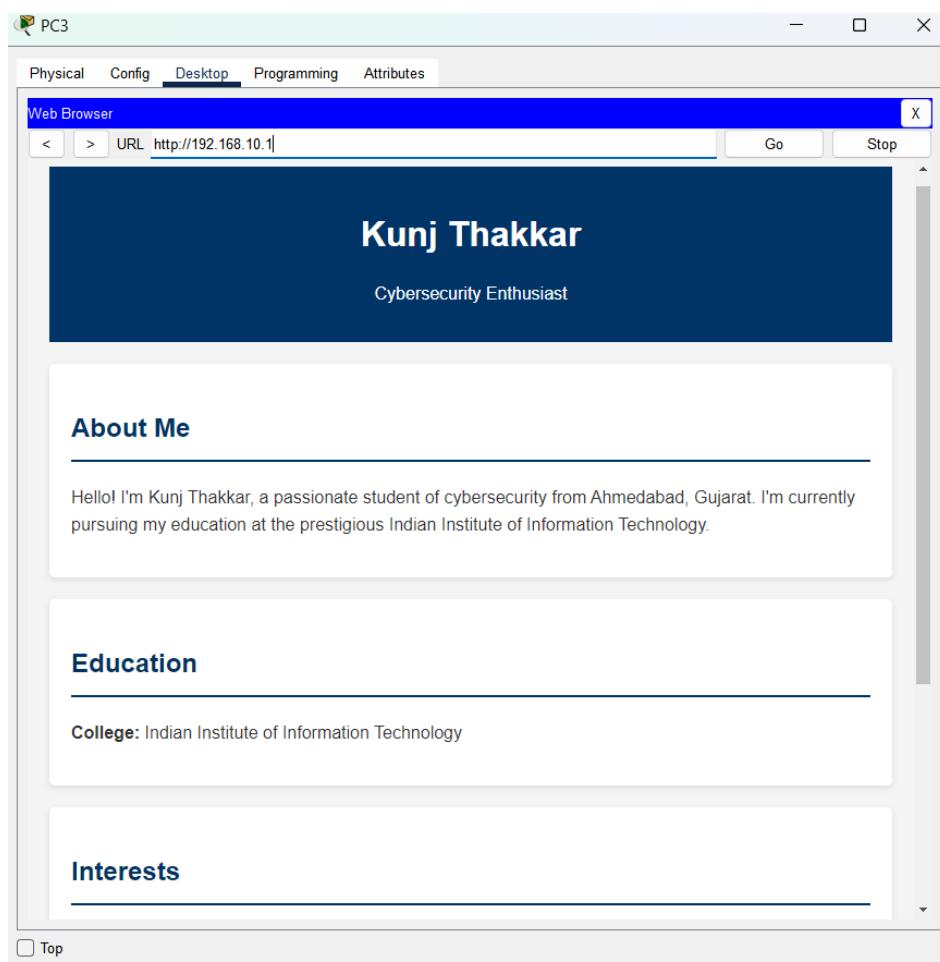
<div class="info">
    <h2>Interests</h2>
    <p>I have a deep love for everything related to cybersecurity. This field fascinates me, and I'm constantly exploring new aspects of it to expand my knowledge and skills.</p>
</div>
```

Port Status	<input type="checkbox"/> On
Bandwidth	<input checked="" type="radio"/> 1000 Mbps <input checked="" type="radio"/> 100 Mbps <input type="radio"/> 10 Mbps <input checked="" type="checkbox"/> Auto
Duplex	<input type="radio"/> Half Duplex <input checked="" type="radio"/> Full Duplex <input checked="" type="checkbox"/> Auto
MAC Address	0005.5E89.B401
IP Configuration	
IPv4 Address	10.10.0.5
Subnet Mask	255.0.0.0
Tx Ring Limit	10

Connection Established, shown by green mark:



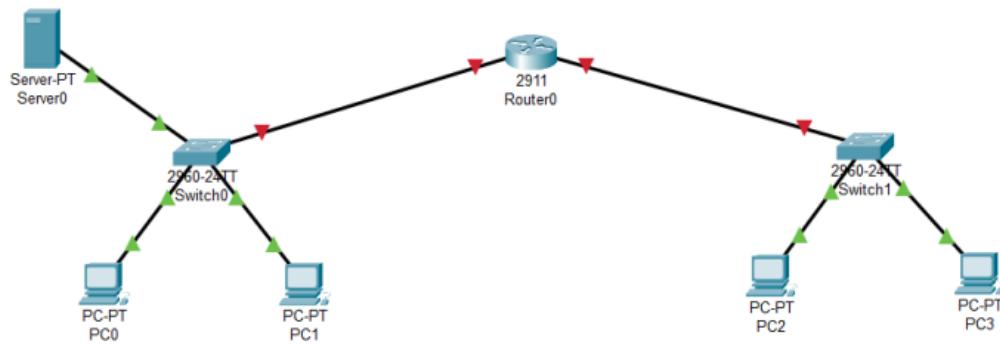
The IPv4 of the server is put in a browser of the PC. Which shows the webpage that was designed:



2. Create a two network using router, switch, End Devices and Server (End Devices and server will be connect in different network). Create a Web page on server and open it on Web browser.

Ans.

Diagram of the connection:



Setting the IPv4 of the End Devices, and the default gateway of the End Devices as well:

IP Configuration	
<input type="radio"/> DHCP	<input checked="" type="radio"/> Static
IPv4 Address	10.10.10.1
Subnet Mask	255.0.0.0
Default Gateway	10.10.10.3
DNS Server	0.0.0.0

IP Configuration	
<input type="radio"/> DHCP	<input checked="" type="radio"/> Static
IPv4 Address	192.168.10.2
Subnet Mask	255.255.255.0
Default Gateway	192.168.10.3
DNS Server	0.0.0.0

Note: PC0 and PC2 are in separate networks, denoted by different subnet mask.

Enabling the http and https services of the server and also designing the webpage:

HTTP

HTTP	<input checked="" type="radio"/> On	<input type="radio"/> Off
------	-------------------------------------	---------------------------

HTTPS

HTTPS	<input checked="" type="radio"/> On	<input type="radio"/> Off
-------	-------------------------------------	---------------------------

File Manager

File Name	Edit	Delete
1 index.html	(edit)	(delete)

File Name:

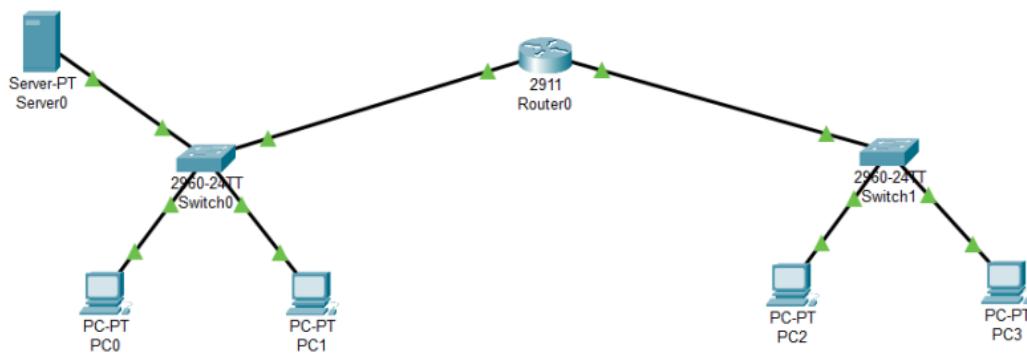
```
<html>
<h1>Tushant Akar</h1>
<h2>Student ID - 202251146</h2>
</html>
```

Setting the Gigabit Ethernet 0/0 and 0/1 ports for connecting the End Device and the router.

GigabitEthernet0/0

Port Status	<input checked="" type="checkbox"/> On
Bandwidth	<input type="radio"/> 1000 Mbps <input checked="" type="radio"/> 100 Mbps <input type="radio"/> 10 Mbps <input checked="" type="checkbox"/> Auto
Duplex	<input type="radio"/> Half Duplex <input checked="" type="radio"/> Full Duplex <input checked="" type="checkbox"/> Auto
MAC Address	0001.43CE.6801
IP Configuration	
IPv4 Address	<input type="text" value="10.10.10.3"/>
Subnet Mask	<input type="text" value="255.0.0.0"/>
Tx Ring Limit	<input type="text" value="10"/>

Connection established, shown by green mark:



The IPv4 of the server is put in a browser of the PC of a different network, which shows the webpage that was designed:

