School: .... Campus: ....

Academic Year: .... Subject Name: .... Subject Code: ....

Semester: .... Program: .... Branch: .... Specialization: ....

Date: ....

Applied and Action Learning
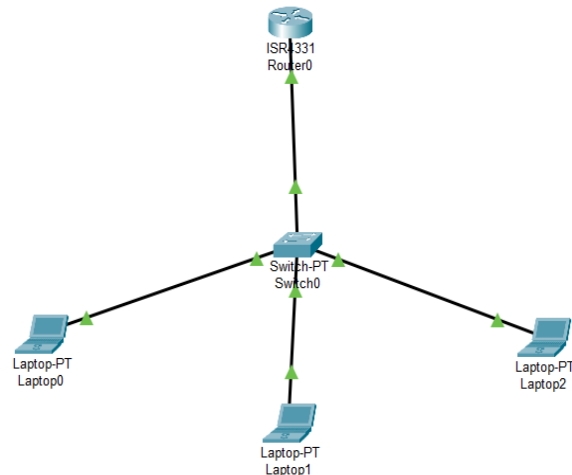(Learning by Doing and Discovery)

Name of the Experiement :

Coding Phase: Pseudo Code / Flow Chart / Algorithm

Testing Phase: Compilation of Code (error detection)

Implementation Phase: Final Output(no error)

Step 1: Add Devices
1. Open **Cisco Packet Tracer**.
2. **Add devices:** Drag and drop a **Laptops**, **Server, switch,router.**
3. Connect them using a **copper straight-through** cable.

Assign IP Addresses:
- PC: **192.168.10.1 , 192.168.10.2, 192.168.10.3**
- Router: **192.168.10.5**

Implementation Phase: Final Output(no error)

Step 3: Create Firewall Rules (ACL)
1. **Click the Laptop → Go to the Config tab, Firewall**
2. **Configure the following rules:**
   - **Rule 1 (Block Telnet Traffic):**
     - **Action: Deny**
     - **Protocol: ICMP**

Physical	Config	Desktop	Programming	Attributes

Firewall [X]

Service   ● On ○ Off

Interface FastEthernet0   ⌄

Inbound Rules

Action	Deny ⌄	Protocol	ICMP ⌄
Remote IP	0.0.0.0	Remote Wildcard Mask	255.255.255.255
Remote Port		Local Port	

Save	Remove	Add

	Action	Protocol	Remote IP	Remote Wild Card	Remote Port	Local Port
1	Deny	ICMP	0.0.0.0	255.255.255.255	-	-

Open the **Command Prompt** on the PC.

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.10.2

Pinging 192.168.10.2 with 32 bytes of data:

Reply from 192.168.10.2: bytes=32 time<1ms TTL=128
Reply from 192.168.10.2: bytes=32 time=1ms TTL=128
Reply from 192.168.10.2: bytes=32 time<1ms TTL=128
Reply from 192.168.10.2: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.10.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>ping 192.168.10.2

Pinging 192.168.10.2 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 192.168.10.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>
```
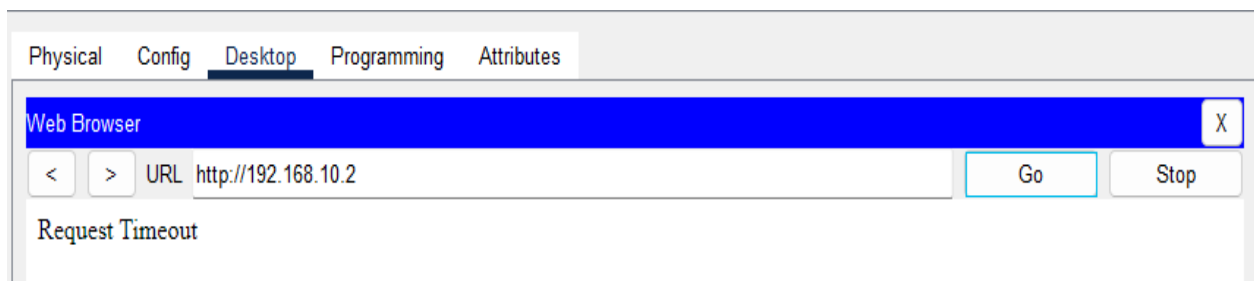
Step 4: Access Web Browser
1. On the **Laptop**, go to the **Desktop** tab.
2. Open the **Web Browser**.
3. In the URL bar, type the **Server's IP address**

Physical	Config	Desktop	Programming	Attributes

Web Browser   X

<	>	URL	http://192.168.10.2		Go	Stop

Request Timeout

Click the **Simulation Mode** (bottom-right corner in Cisco Packet Tracer).

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
●	Failed	Laptop0	Laptop1	ICMP	▇	0.000	N	0	(edit)	
●	Failed	Laptop0	Laptop1	ICMP	▇	0.000	N	1	(edit)	
●	Failed	Laptop0	Laptop2	ICMP	▇	0.000	N	2	(edit)	

ASSESSMENT

Rubrics	Full Mark	Marks Obtained	Remarks
Concept	10		
Planning and Execution/ Practical Simulation/ Programming	10		
Result and Interpretation	10		
Record of Applied and Action Learning	10		
Viva	10		
Total	**50**		

Signature of the Student:

Name :

Signature of the Faculty:

Regn. No. :