Ex.No:09 Date :	DHCP Configuration
Reg: No	99220040378
Name	U.BAVESH
Section & slot	S23 & slot1

Objective(s):

To design and implement DHCP configuration using packet tracer

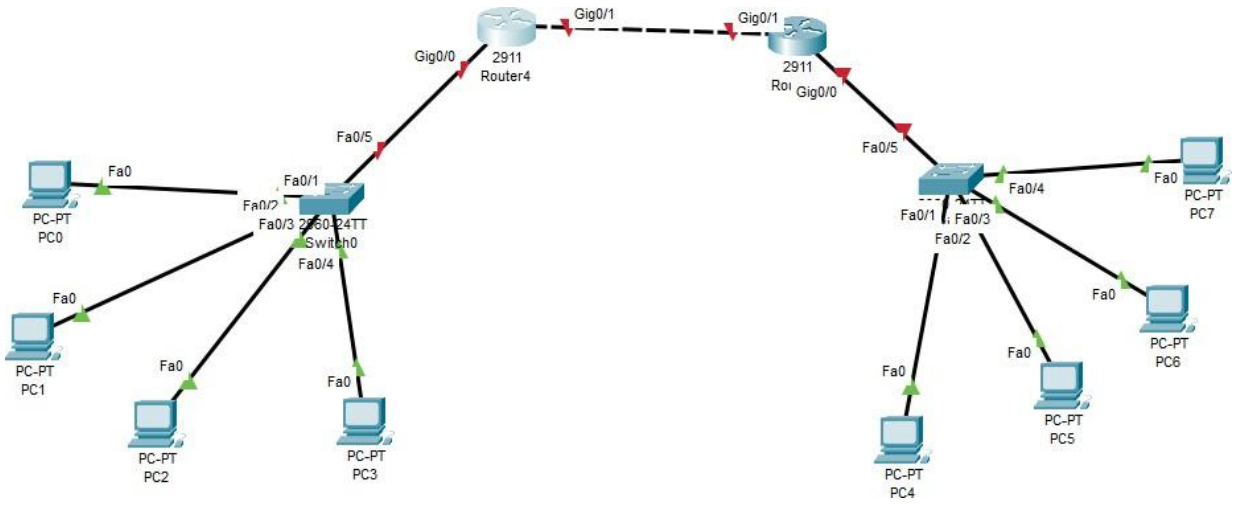
Introduction:

In this activity, you will continue to configure the Cisco 1841 ISR router for the customer network byconfiguring the DHCP service. The customer has several workstations that need to be automatically configuredwith IP addresses on the local subnet and appropriate DHCP options to allow access to the Internet.

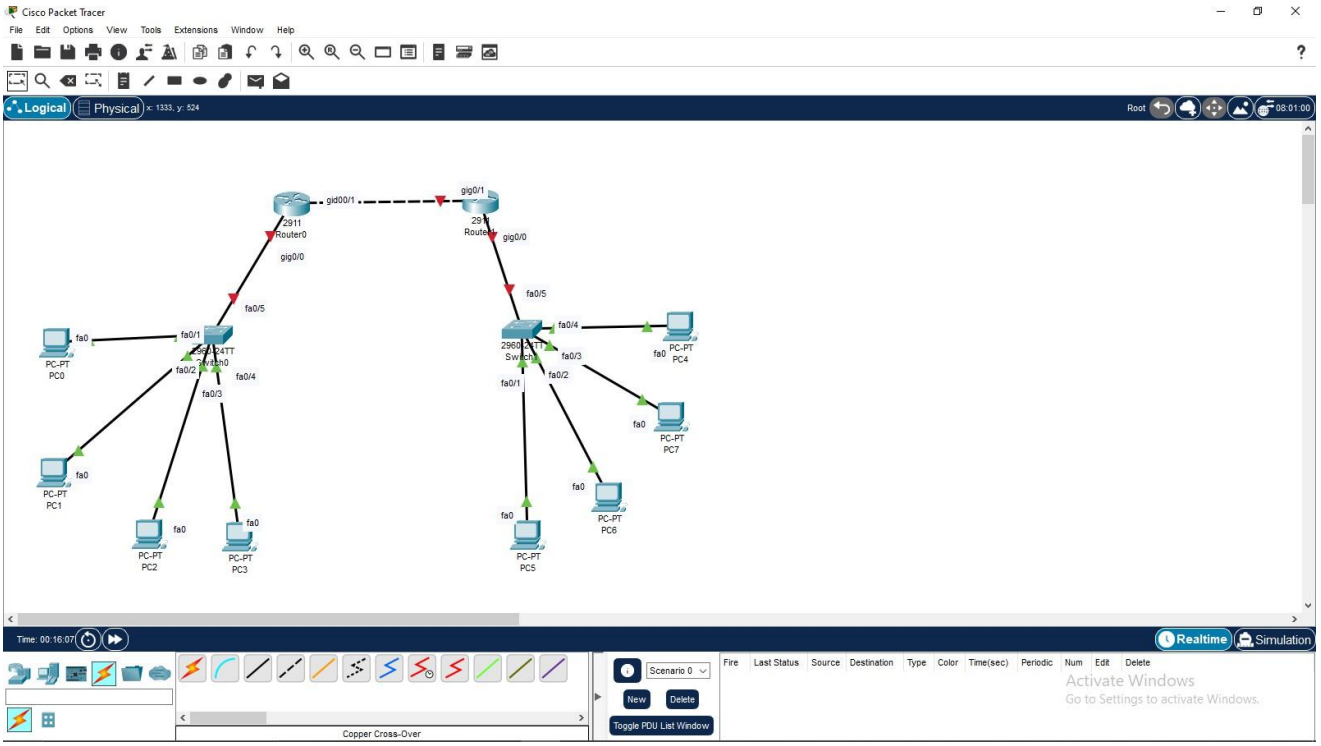
The DHCP pool will use the 192.168.1.0/24 network but the first 49 addresses are excluded. The defaultgateway and DNS server also need to be configured as 192.168.1.1 and 192.168.1.10.For this activity, both the user and privileged EXEC passwords are cisco.

Note: Packet Tracer does not currently support the domain name and lease period options. These options are notused in this activity.

1. **Device Requirements:**
   1. Pc‘s
   2. Router
   3. Switch
   4. Connection wires
2. **Network Diagram for your experiment (draw the diagram either hand drawing/mspaint or any other drawing tools)**



3. Network Diagram (Packet tracer diagram before configuration):



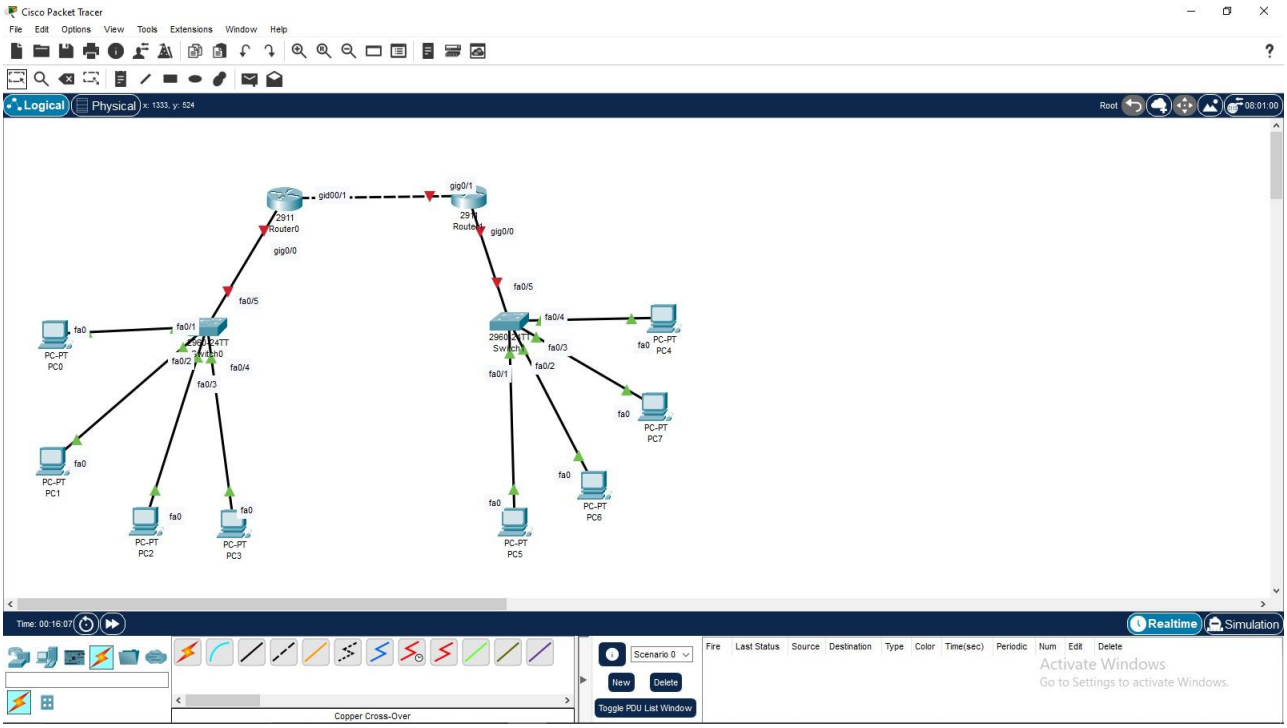
4. Configuration details:

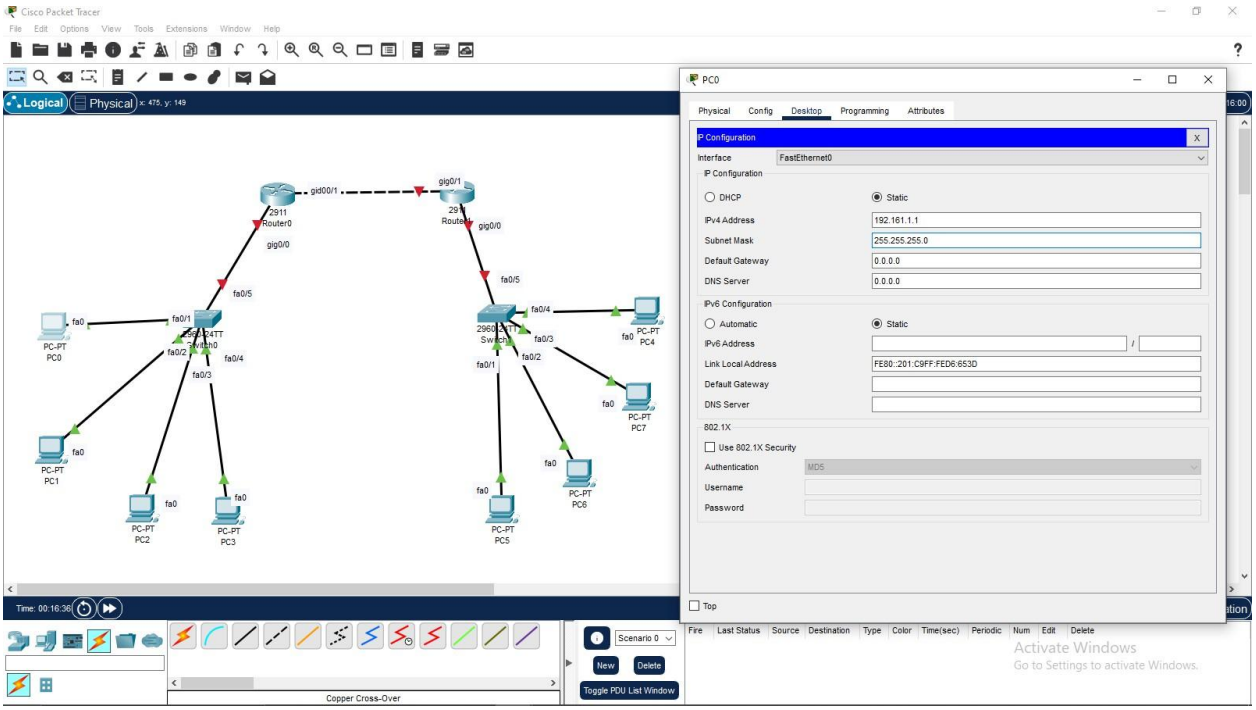
Device Name	Interface Name	IP Address	Subnet mask	Default Gateway
Pc1	Fa0/0	192.168.1.1	255.255.255.0	0.0.0.0
Pc2	Fa0/1	192.168.1.2	255.255.255.0	0.0.0.0
Pc3	Fa0/3	192.168.1.3	255.255.255.0	0.0.0.0
Pc4	Fa0/4	192.168.1.4	255.255.255.0	0.0.0.0
Pc5	Fa0/5	192.168.1.5	255.255.255.0	0.0.0.0
Router	Se2/0	10.0.0.1	255.255.255.252	0.0.0.0

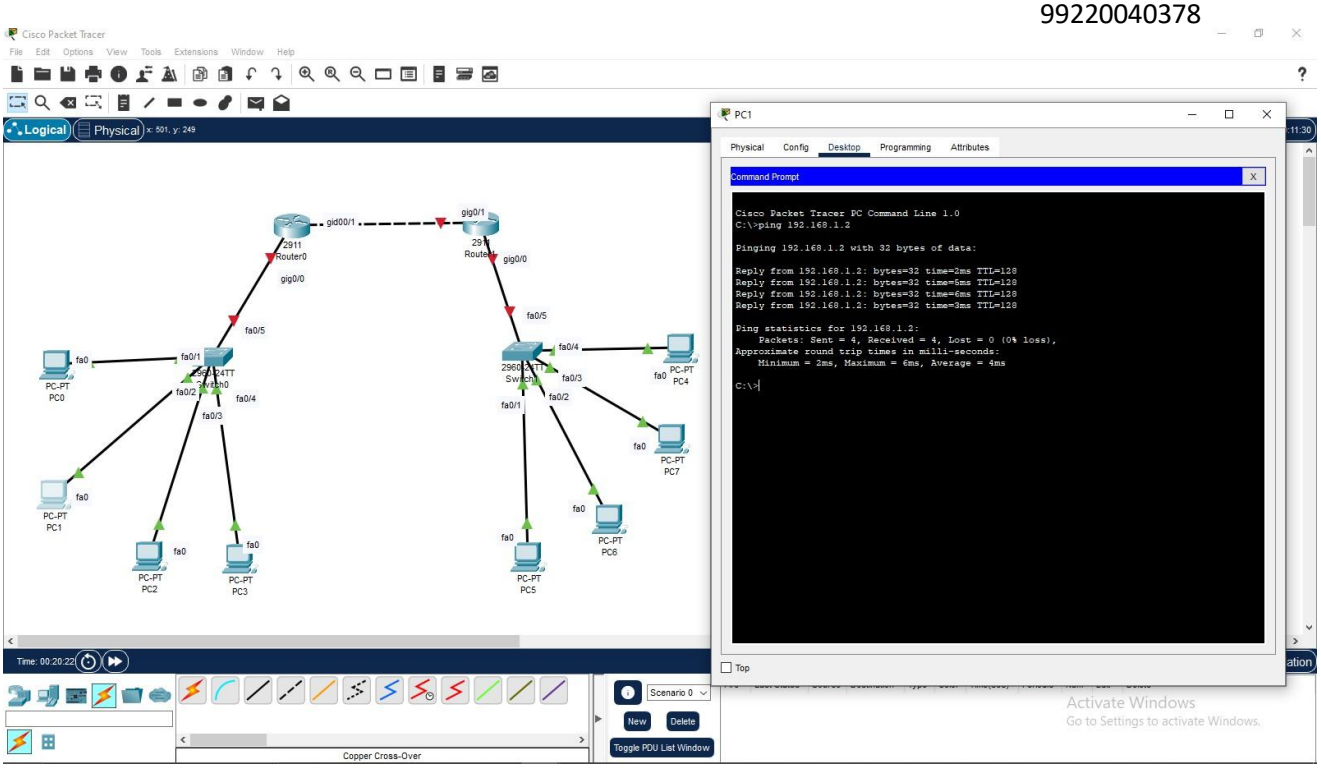
5. Describe step by step configuration steps properly (you may copy the commands used in the configuration tab and paste it.)

1. Ping
2. ip config/all

6. Output Diagram (Minimum 3 screenshot):







Google Drive link of the packet tracer file (give view permission):

Link: https://drive.google.com/file/d/1csmoPZReaXOR8qdvcuqTh2x4NgMAQ8C6/view?usp=sharing

CONCLUSION: DHCP Configuration using Cisco packet tracer executed successfully.

Rubrics for Experiment Assessment:

Rubrics	Good	Normal	Poor	Marks
Creation of Topology (4)	Created the topology, Identify the proper devices and making the connections **(4)**	Created the topology, Identify the proper devices, making the connections But missing some features **(3)**	Created wrong topology, Failed to Identify the proper devices and making connections **(1)**	
Verify the connectivity (4)	Verified the connectivity in all the levels **(4)**	Verified the connectivity at some levels (only some nodes) **(2)**	Verified the connectivity is not done. **(1)**	
Timely Completion (2)	Completed the lab before the allotted time **(2)**	Completed the lab after the deadline **(1)**	Did not submitted before grading **(0)**	
			Total	