Result:

Thus, the expected output is achieved

15. Configure of DHCP in packet tracer.

Aim:

To configure DHCP in packet tracer.

software used:

packet tracer/end devices, Hubs.

Procedure:

1. Launch cisco packet tracer, create a new topology
2. Add necessary network devices the topology.
3. configure the DHCP server
4. Configure the switch
5. Configure the DHCP clients
6. start the simulation.
7. Verify DHCP operation

Result:

Thus, the expected output is verified.

17.

Make computer lab to Transfer a message from one node to another using packet Tracer.

Aim :

To make a computer lab to tranfer a message from one node to another design and to stimulate using packet tracer.

software used :

packet tracers / End devices, switch

procedure :

1. Create Network Topology

code :

PC1 PC2
|| ||
switch --- Router 1 --- Router 2

3. Configure IP address
4. Configure the router by double click
5. command :

enable
Configure Terminal
interface fast Ethernet 0/0
IP address 192.168.1.254.225.255.255.0
no shutdown
interface serial 0/0/0
ip address 10.0.0.1 235.255.255.252
no shut down
exit

4. Configure routing
5. send message.
6. configure IP address
7. show results.

Result:

Thus, expected output is achieved.

19. IOT Based smart home appliance

Aim:

To implement IOT Based smart home applications in cisco packet tracer.

Software used:

packet tracer / end devices, Hubs

Procedure:

1. Create a network topology in cisco packet tracer
2. Configure the Iot Devices
3. set up communication protocol
4. Write a code to collect data
5. Use the gateway to process the data.

Result:

Thus, the expected output is acheived.