

## Result :

Thus, the expected output is achieved

## 15. Configure of DHCP in packet tracer.

### Aim :

To configure DHCP in packet tracer.

Software used: Cisco and most popular packet tracer/ end devices like Hubs.

### Procedure :

1. Launch cisco packet tracer, create a new topology and add devices.
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 transfer a message from one node to another design and stimulate using packet tracer.

software used: packet tracer / end, design, attributes

procedure: Router provision

1. Create Network Topology

code: ~~random IP address~~

Pc<sub>1</sub>, P<sub>2</sub> station with IP address

1) switch with IP address

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, 225.235.255.0

no shutdown

interface serial 0/0/0

IP address 10.0.0.1, 235.235.255.252

no shutdown

exit

Router discovered as Router Address

f. Configure routing

g. send message

6. configure IP address

7. show results

8. Router toE set configuration

Forwarding information database

9. Router toE set configuration

10. Router toE set configuration

Result:

Thus, expected output is achieved

Output

Router discovered as Router Address

Output



Scanned with OKEN Scanner

## 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 Device
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 achieved.