terminal

python client.py
received pong from
('127.0.0.1', 12345) in
0.00 seconds

ping program
and the output

Exp No: 14 Packet Sniffing

Aim:

To write a code using RAW sockets to implement packet sniffing.

Source code:

```
from scapy.all import sniff
from scapy.layers.inet import IP, TCP, UDP, ICMP

def packet_callback(packet):
    if IP in packet:
        ip_layer = packet[IP]
        protocol = ip_layer.proto
        src_ip = ip_layer.src
        dst_ip = ip_layer.dst
        # Determine the protocol
        protocol_name = ""
        if protocol == 1:
            protocol_name = "ICMP"
        elif protocol == 6:
            protocol_name = "TCP"
        elif protocol == 17:
            protocol_name = "UDP"
        else:
            protocol_name = "Unknown Protocol"
        # Print packet details
        print(f"Protocol: {protocol_name}")
        print(f"Source IP: {src_ip}")
        print(f"Destination IP: {dst_ip}")
        print("-" * 50)
```

```
def main():
    sniff (iface = 'Wi-Fi', prn = packet_callback,
           filter = "ip", store=0)

if __name__ == "__main__":
    main()
```

output:

```
Protocol: TCP
Source IP: 20.247.184.142
Destination IP: 172.20.10.2

Protocol : TCP
Source IP: 172.20.10.2
Destination IP: 20.247.184.142
```

Result:

Thus, the program for packet sniffing was successfully executed.

Exp No.:15

Aim:

To analy
logs using W

Procedure:

1. Run we
2. Input
3. Press

Thus
logs usi
analyzed.