```
E2-14)
Date: 23/10/29
             Packet Snifting .
AIM:
   write a code wing RAW sockets
implement packet snifting
code :
from scapy all import sniff
from stapy layers. Inst import
              IP, TCP, UDP, ICMP
det packet-allback (packet):
    Pf IP in packet:
       IP layer = packet [IP]
       protocol = ip layer = proto
       Src-ip = ip-layer. src!
       dst-pp: 1p-layer.dst
#determine the protocol
   protocol-name=" "1
    Pf protocol==1:
     protocol_ name = "ICMP"
   else protocol == 6:
       protocol - name = "TP"
   elep protocol = 17:
   else: protocol_name = "upp"
       protocol_name="unknown protocol"
```

# print packet details

print(f"protocol: Sprotocol. name 3")

print(f"protocol: Sprotocol. name 3")

print(f"source IP: {Src-1p3")

print(f"source IP: {Strc-1p3")

print(f"Restination IP: {dst-1p3")

print("" \* \$50)

def Main ():

# capture packets on the default

network interface.

snort (face = 'wifi', prn = packet-callbank)

pritter = "p", store = 6)

Pf\_name\_=== "movin\_":
main ()

OUTPUT!

Protocol: TCP Source IP: 120,247,104,142 Destination IP: 172,20,10,2

RESULT:

The code for packet sniffing Ps Proplemented & executed and successfully.