To emplement acode using RAW sockets to AIM: implement Packet sinffing.

SOURLE CODE:

from scapy. all import snift from Scapy. largers. that Emport IP, TCP, ODP, COME def melet-coulback (packet)

if IP in parket:

ip-layor = parket [1P] Protocol = ip-layer . moto

8rc_1P = ip-layer. erc det-1P=ip-layer.dst

protocol-name_" " if protocol == ix:

protocol name = "ICMP" ely protocol = = b : protocol name = "Tep"

aly protocol == 7:

protocol_name = " unknown protocol "

eler:

peotocol name = " unknown peotocol" print (f" protocol: ¿protocol-name 3") print (f" dource IP: forc-ip; 4) print (f" Destination IP: Edst-ip3") print ("-" + 50)

def main (): sniff (if = " wiff', pun = packed - callback, fitter 0 119 , store 20) if_nance_ =======""

main ()

OUTPUT .

proto wi : Fet lource IP: 20,247, 184.142

Derhuation IP: 172.20.10.2

protocol: TCP

80 LUCE IP: 20, 247.184242

Destination 20: 172.20.10.2

reotocol: TCP

source IP: 172.20, 10:2

Destination IP: 20.247. 184. 142

Protocol: TCP

8010ce IP: 172,20,10,2

Destination IP: 20.247.184.1142

anon-torotory & : to rotory " 1.3 think RESULT :

Thus the packet smiffing Program was executed successfully and the output is verified.