Peratical-14

weite a rode using RAW Bockets to implement Packet sniffing. I Intrabise a mano socket to capture all Incoming packets on a network interface 2] Bird it to network Entural. 3) continuously excesse packets and ostone 4) Exteract and desplay packet details, duch as IP headons and Protocol. of Repeat until stopped, allowing sud-time Packet monitoring SOURCE COPE: tuon scapy. all simport striff form scapy alayous. import IP, TCP, UDP, ICMP def packet - callback (Packet): Il IP . Packet: PP layer = Packet [P] Protocol = TP-layer. Proto Ser- 1P=1P-layer. Sere dst - 1P = ip - layer dist Protocol name = " if protocal = = 1: Perotocol name = "ICMP" elif protocal ==6!

Protocol name = "TCP"

elif protocol name = "UDP"

Protocol name = "UDP"

Protocal : name = "unknown Protocal" Peant + Cf " Protocal , & protocal rand") Deant & Ct "souve (P: & sec- PPJ") point + Cf "Distination 1p: &dst-9p3"3 pearst ("-" + 50) main (): Swiff (i foce = 'wifi; Pun=Packet_callback, filter='P", stora=03 def main (): 26 - mane = = "main_"; mais () OUTPUT: protocal: TCP Downe IP: 20.24T. 184.142 Destination: 172.20-10-2 Sorone 1P: 20, 247, 184, 142 · school the Pustination: 172.20.10.2 produce botal fele Abopt hun melifing ushdows received 16492: Enged usel log file (down load from RAW sockets to implement Packet RESULTSsniffing is implemented and executed Duccessfully.