EXPERIMENT – 14

AIM: - Write a code using RAW sockets to implement packet sniffing.

CODE: -

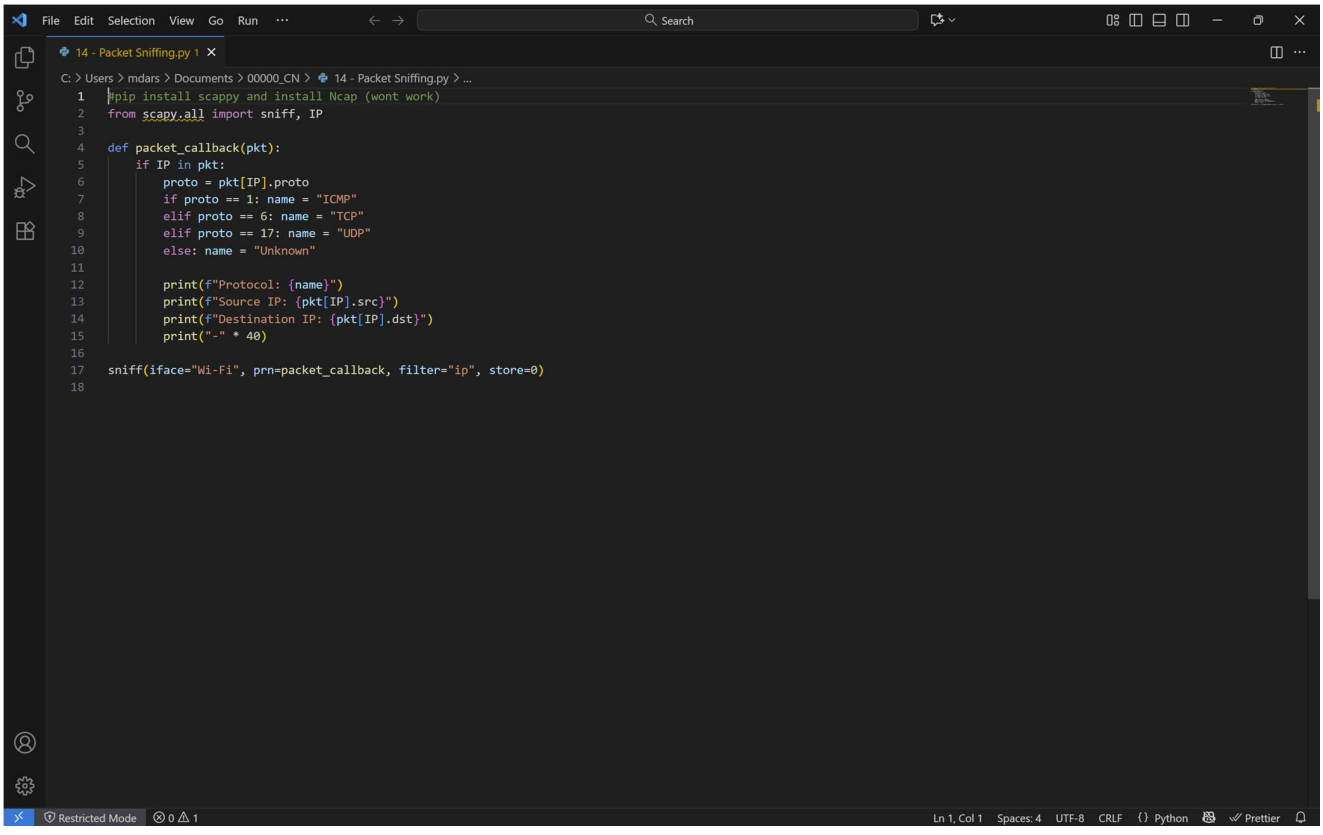
```
from scapy.all import sniff, IP

def packet_callback(pkt):
    if IP in pkt:
        proto = pkt[IP].proto
        if proto == 1: name = "ICMP"
        elif proto == 6: name = "TCP"
        elif proto == 17: name = "UDP"
        else: name = "Unknown"

        print(f"Protocol: {name}")
        print(f"Source IP: {pkt[IP].src}")
        print(f"Destination IP: {pkt[IP].dst}")
        print("-" * 40)

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

OUTPUT: -



RESULT: -
Implemented RAW sockets using packet sniffing.