File   Edit   Format   Run   Options   Window   Help

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

def process_packet(packet):
    if IP in packet:
        ip_layer = packet[IP]
        src = ip_layer.src
        dst = ip_layer.dst
        proto = ip_layer.proto

        print(f"\n[+] Packet Captured")
        print(f"Source IP: {src}")
        print(f"Destination IP: {dst}")

        if packet.haslayer(TCP):
            print("Protocol: TCP")
            print(f"Payload: {bytes(packet[TCP].p
        elif packet.haslayer(UDP):
            print("Protocol: UDP")
            print(f"Payload: {bytes(packet[UDP].
        elif packet.haslayer(ICMP):
            print("Protocol: ICMP")
        else:
            print("Protocol: Other")

print("[*] Starting Packet Sniffer... Press Ctrl+
sniff(prn=process_packet, store=False)
```

Administrator: C:\Windows\S

```
                                    2.4/2.4 MB 45.7 kB/s eta 0
:00:00
Installing collected packages: scapy
Successfully installed scapy-2.6.1

[notice] A new release of pip available: 22.3.1 -> 25.
1.1
[notice] To update, run: C:\Users\OM\AppData\Local\Pro
grams\Python\Python311\python.exe -m pip install --upg
rade pip

C:\Users\OM\Documents\Task 2>"C:\Users\OM\AppData\Loca
l\Programs\Python\Python311\python.exe" packet_sniffer
.py
[*] Starting Packet Sniffer... Press Ctrl+C to stop.

[+] Packet Captured
Source IP: 10.191.104.113
Destination IP: 74.125.200.188
Protocol: TCP
Payload: b'\x00'

[+] Packet Captured
Source IP: 74.125.200.188
Destination IP: 10.191.104.113
Protocol: TCP
Payload: b''
```

File   Edit   Format   Run   Options   Window   Help

```python
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            print(f"Payload: {bytes(packet[UDP].p
        elif packet.haslayer(ICMP):
            print("Protocol: ICMP")
        else:
            print("Protocol: Other")

print("[*] Starting Packet Sniffer... Press Ctrl+
sniff(prn=process_packet, store=False)
```

Administrator: C:\Windows\S

```
Protocol: TCP
Payload: b''

[+] Packet Captured
Source IP: 10.191.104.113
Destination IP: 4.213.25.240
Protocol: TCP
Payload: b"\x17\x03\x03\x00_\x00\x00\x00\x00\x00\x00\x
00I\x8d\x1c'\x1c\x82\x12\x11+\x00%L\xa8\xcc\xbc\xde\xf
8\xeah\x0b\x93\xd2\xabe\xe3\xdf\xd5x\xd3\xd9\xfb1<p\xa
ar\x04!xf\x87\xbaU\xfa\xdd\xb8\xc3\xe91\x8e\x01\x11j>&
+\xf9\xe4+\x0f\xa03M\xf1\xa1\xe1\xa1\xd3C|\xe7Y\xcd\x1
4\xb1\xf7@\xea(\xf2\xcb,Ep1?\x0c\xc7"

[+] Packet Captured
Source IP: 4.213.25.240
Destination IP: 10.191.104.113
Protocol: TCP
Payload: b'\x17\x03\x03\x00\xa6\x00\x00\x00\x00\x00\x0
0\x00I\xf2<\x9d=\xddI\xc5\x13\xcc\xaf\x80a$Z\x12\xd7\x
d3\x9d\xcd\x1a\x88\xff\xb0\xf2\x9b\x83\x96 \xe6\xc9\xd
8\xcd\xe9T\x91\x13\xa5\x12:\x8f\xe6v\t\xd1\x82\x87$\xf
6I)@\x8b\xeai\xc8\xad\x9d/5I.2\xe9\xe9\x17\xfe\xa2\x12
\x90a\x8bK\xa6=\xc8f2\n\x80.\x1aw\xb1\x9c\x8fh\xf18\xe
e\x00KVo&\xa2\x15\x1f/\xb5\xd3m\x164\x81\x9e|\x8d\xc1\
x95\x99\xa7\xb5\xc5\xc9\xc3\x84\x80#t\xa5Z.IQ\x90O\xc7
\xb8\xa9\xe4\xecZ\xb9&@\xa6\x043\xda\xa2\xcc\x15\x8e\x
9fX\xe7\xfb\x8c\t<\xa9\n\xc0\x9chRn}'
```