PACKET SNIFFING USING
RAW SOCKETS

AIM:

Write a code using RAW Sockets to implement packet sniffing

CODE:

```
import socket
import os
def sniff():
    s = socket.socket(socket.AF_INET, socket.SOCK_RAW,
        socket.IPPROTO_IP)
    s.bind(("0.0.0.0",0))
    s.setsockopt(socket.IPPROTO_IP, socket.IP_HDRINCL,
    1)
    print("sniffing packets")
    while True:
        packet = s.recvfrom(65565)[0]
        print(f"captured packet: {repr(packet)}")
if __name__ == "__main__"
        sniff()
```

INPUT:

sniff()

OUTPUT:

Sniffing packets
Captured packet : b'\x45\x00\x00\x3c\x1c\x46\x40\x00\
                    \x40\x06\xb1\xe6\x00\x68\xa8\x01'

RESULT:

Code using Raw Sockets to do packet sniffing successfully implemented.