UDP Packet Creation with socket

```
GNU nano 8.0                                          my_script.py
import socket

def send_udp_packet(ip, port, message):
    # Create a new UDP socket
    sock = socket.socket(socket.AF_INET, socket.SOCK_DGRAM)
    try:
        # Send the packet
        sock.sendto(message.encode('utf-8'), (ip, port))
        print(f"Sent packet to {ip}:{port} with message: {message}")
    finally:
        # Close the socket
        sock.close()

if __name__ == "__main__":
    target_ip = "8.8.8.8"   # Change this to the desired IP address
    target_port = 53    # Change this to the desired port
    message = "Hello, Google DNS"

    send_udp_packet(target_ip, target_port, message)
```

```
[ Read 19 lines ]
^G Help       ^O Write Out   ^W Where Is    ^K Cut        ^T Execute    ^C Location    M-U Undo    M-A Set Mark   M-] To Bracket   M-B Previous        Prev Word    ^A Home
^X Exit       ^R Read File   ^\ Replace     ^U Paste      ^J Justify    ^/ Go To Line  M-E Redo    M-6 Copy       ^B Where Was     M-F Next            Next Word    ^E End
```

```
┌──(ramya㉿kali)-[~]
└─$ nano my_script.py


┌──(ramya㉿kali)-[~]
└─$ nano my_script.py


┌──(ramya㉿kali)-[~]
└─$ nano my_script.py


┌──(ramya㉿kali)-[~]
└─$ python3 my_script.py

Sent packet to 8.8.8.8:53 with message: Hello, Google DNS

┌──(ramya㉿kali)-[~]
└─$ wireshark
** (wireshark:17676) 02:37:14.824877 [Capture MESSAGE] -- Capture Start ...
** (wireshark:17676) 02:37:14.872837 [Capture MESSAGE] -- Capture started
** (wireshark:17676) 02:37:14.873052 [Capture MESSAGE] -- File: "/tmp/wireshark_eth0D0A9T2.pcapng"
** (wireshark:17676) 02:53:53.403457 [Capture MESSAGE] -- Capture Stop  ...
** (wireshark:17676) 02:53:53.440054 [Capture MESSAGE] -- Capture stopped.
** (wireshark:17676) 02:53:53.440078 [Capture WARNING] ./ui/capture.c:722 -- capture_input_closed():
** (wireshark:17676) 02:53:57.297634 [Capture MESSAGE] -- Capture Start ...
** (wireshark:17676) 02:53:57.398429 [Capture MESSAGE] -- Capture started
** (wireshark:17676) 02:53:57.398477 [Capture MESSAGE] -- File: "/tmp/wireshark_eth0VTMVT2.pcapng"
** (wireshark:17676) 02:54:48.909358 [Capture MESSAGE] -- Capture Stop ...
** (wireshark:17676) 02:54:48.956696 [Capture MESSAGE] -- Capture stopped.
** (wireshark:17676) 02:54:48.957017 [Capture WARNING] ./ui/capture.c:722 -- capture_input_closed():
^C

┌──(ramya㉿kali)-[~]
└─$ nano my_script.py


┌──(ramya㉿kali)-[~]
└─$ python3 my_script.py

Sent packet to 127.0.0.1:12345 with message: Hello, python user

┌──(ramya㉿kali)-[~]
└─$ wireshark
** (wireshark:28443) 02:57:48.948913 [Capture MESSAGE] -- Capture Start ...
** (wireshark:28443) 02:57:48.985164 [Capture MESSAGE] -- Capture started
** (wireshark:28443) 02:57:48.985191 [Capture MESSAGE] -- File: "/tmp/wireshark_eth0SU6BU2.pcapng"
```