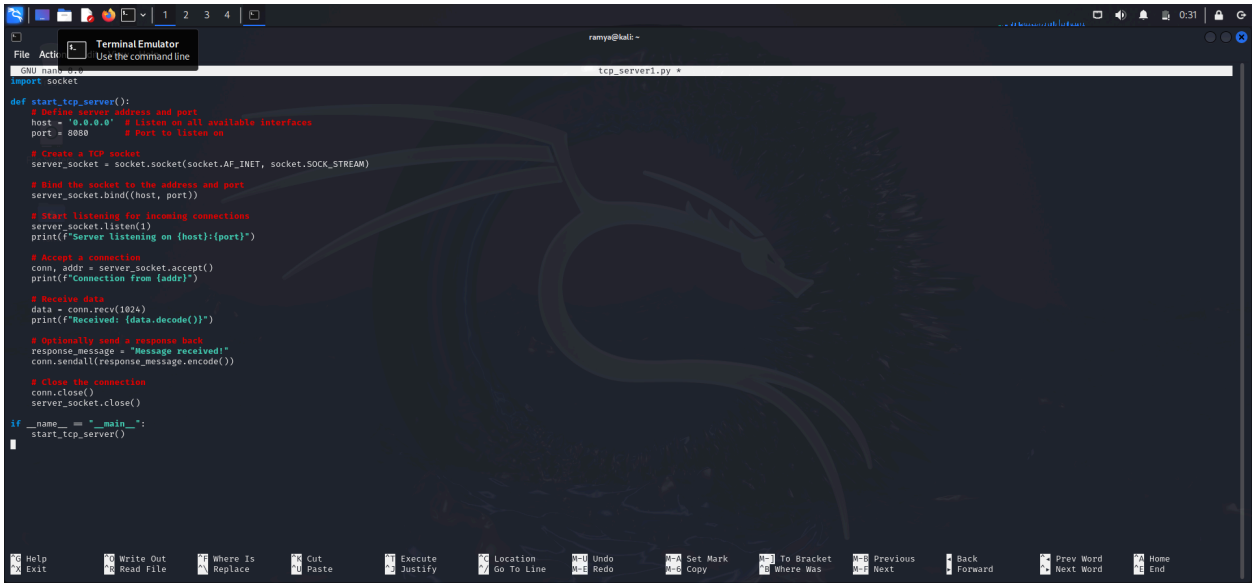
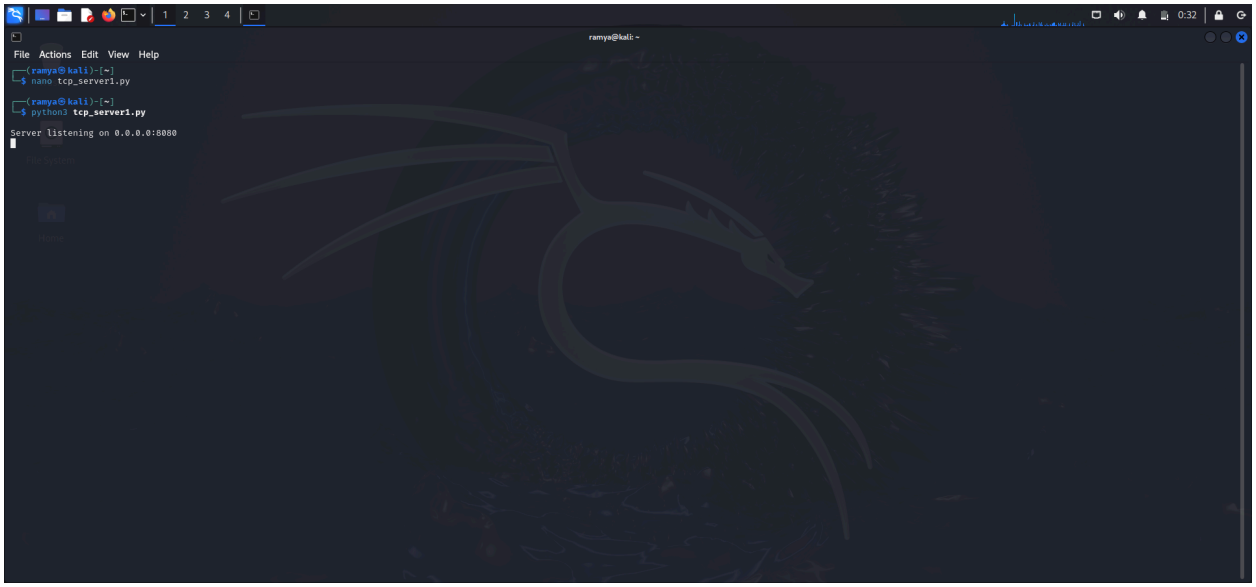
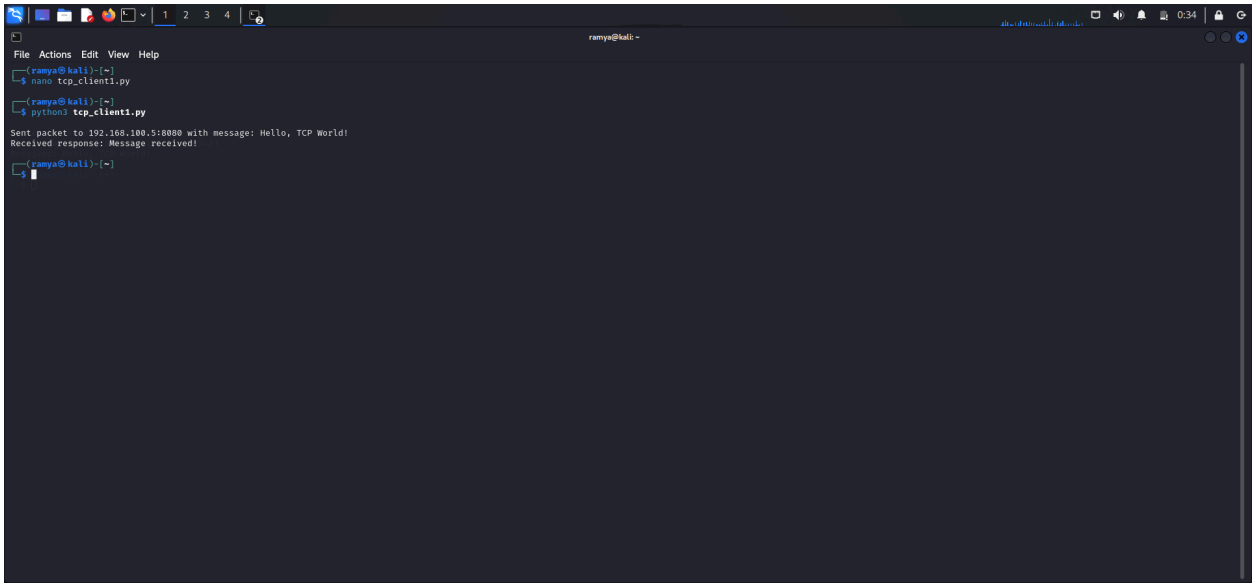
Bakka Ramyasree

TCP Packet Creation with socket






ramya@kali: ~
File Actions Edit View Help
GNU nano 8.0 tcp_client1.py *
import socket
def send_tcp_packet(ip, port, message):
# Create a new TCP socket
sock = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
try:
# Connect to the specified IP and port
sock.connect((ip, port))
# Send the message
sock.sendall(message.encode('utf-8'))
print(f"Sent packet to {ip}:{port} with message: {message}")
# Optionally, receive a response
response = sock.recv(1024) # Receive up to 1024 bytes
print(f"Received response: {response.decode('utf-8')}")
except Exception as e:
print(f"An error occurred: {e}")
finally:
# Close the connection
sock.close()
if __name__ == "__main__":
target_ip = "192.168.100.5" # Updated IP address
target_port = 8080 # Port to connect to
message = "Hello, TCP World!" # Message to send
send_tcp_packet(target_ip, target_port, message) # Call the function
^G Help ^O Write Out ^F Where Is ^K Cut ^T Execute ^C Location M-U Undo M-A Set Mark M-] To Bracket M-Q Previous ^B Back ^← Prev Word ^A Home
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo M-6 Copy ^W Where Was M-W Next ^F Forward ^→ Next Word ^E End


ramya@kali: ~
File Actions Edit View Help
(ramya㉿kali)-[~]
$ nano tcp_client1.py
(ramya㉿kali)-[~]
$ python3 tcp_client1.py
Sent packet to 192.168.100.5:8080 with message: Hello, TCP World!
Received response: Message received!
(ramya㉿kali)-[~]
$