Code Alpha Project

Task - 1

Basic Network Sniffer

Creating a basic network sniffer in Python involves using a library like Scapy to capture and analyze network packets. This basic network sniffer captures IP packets and extracts information such as source and destination IP addresses, as well as protocol details. It also checks if the packet contains TCP or UDP information and prints the corresponding source and destination ports.

Keep in mind that building network tools should be done responsibly and in compliance with relevant laws and policies.

1. Command – apt install python3

```
File Actions Edit View Help

[kali@kali]-[~]

[sudo] password for kali:

[s
```

2. Pip install scapy

```
[rost@lals)-[/home/kali]
pip install scapy
Requirement already satisfied: scapy in /usr/lib/python3/dist-packages (2.5.0)
WARNING: Running pip as the 'root' user can result in broken permissions and conflicting behaviour with the system package manager. It is recommended to use a virtual environment instead: https://pip.pypa.io/warnings/venv
```

3. Vi sniffer.py

