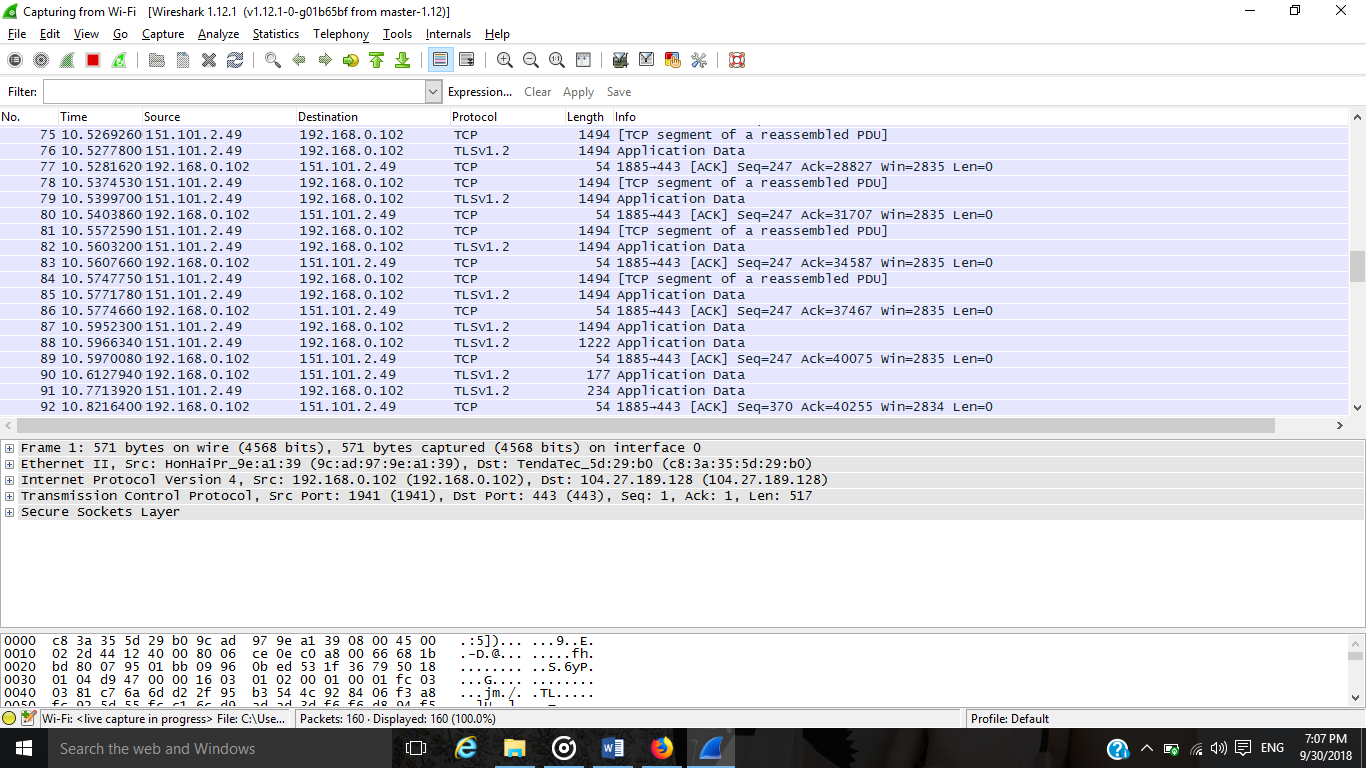
Practical - 4

**Aim: - Packet capturing and network scanning using Wireshark.**

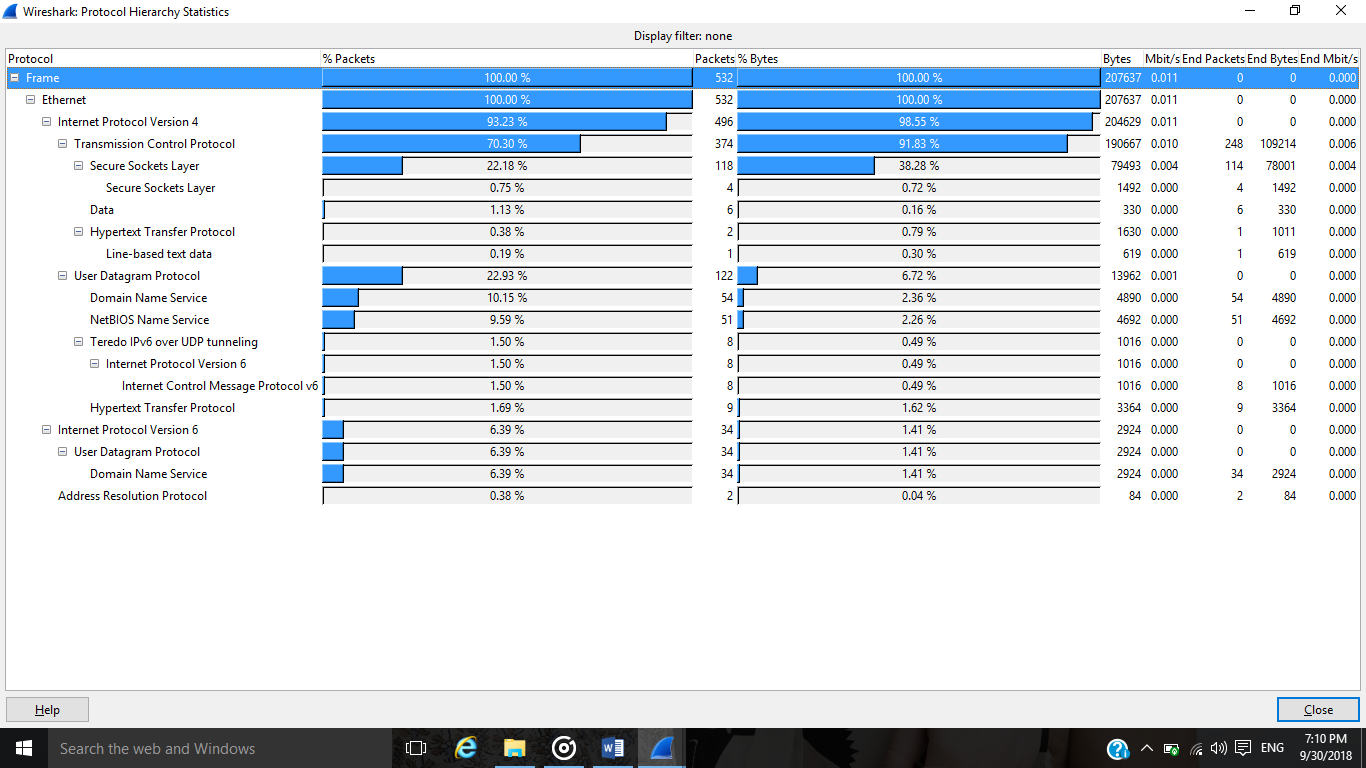
**Wireshark: -**

* Wireshark is a free and open source packet analyzer.
* It is used for network troubleshooting, analysis, software and communications protocol development, and education.
* Wireshark is cross-platform, using the Qt widget toolkit in current releases to implement its user interface, and using pcap to capture packets; it runs on Linux, macOS, BSD, Solaris, some other Unix-like operating systems, and Microsoft Windows.
* There is also a terminal-based (non-GUI) version called TShark. Wireshark, and the other programs distributed with it such as TShark, are free software, released under the terms of the GNU General Public License.

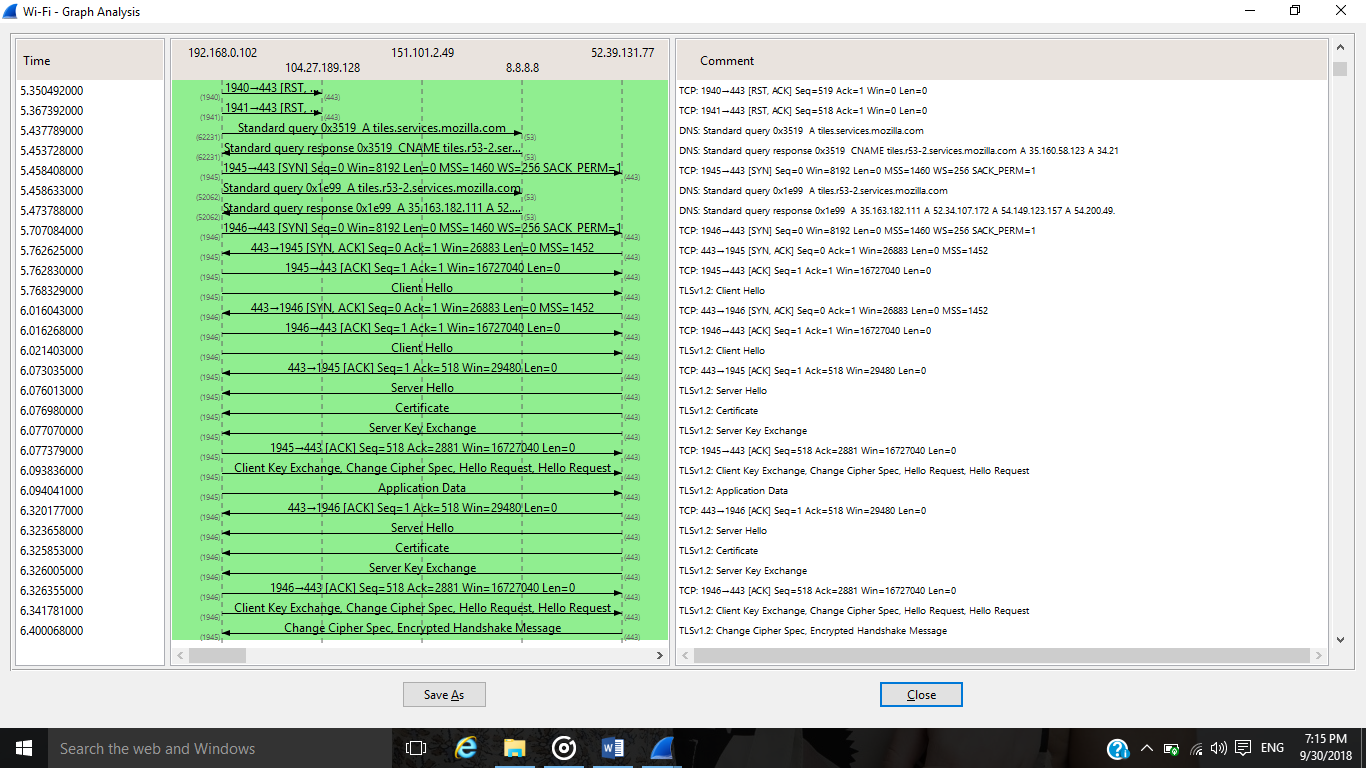
**Capturing Packets: -**

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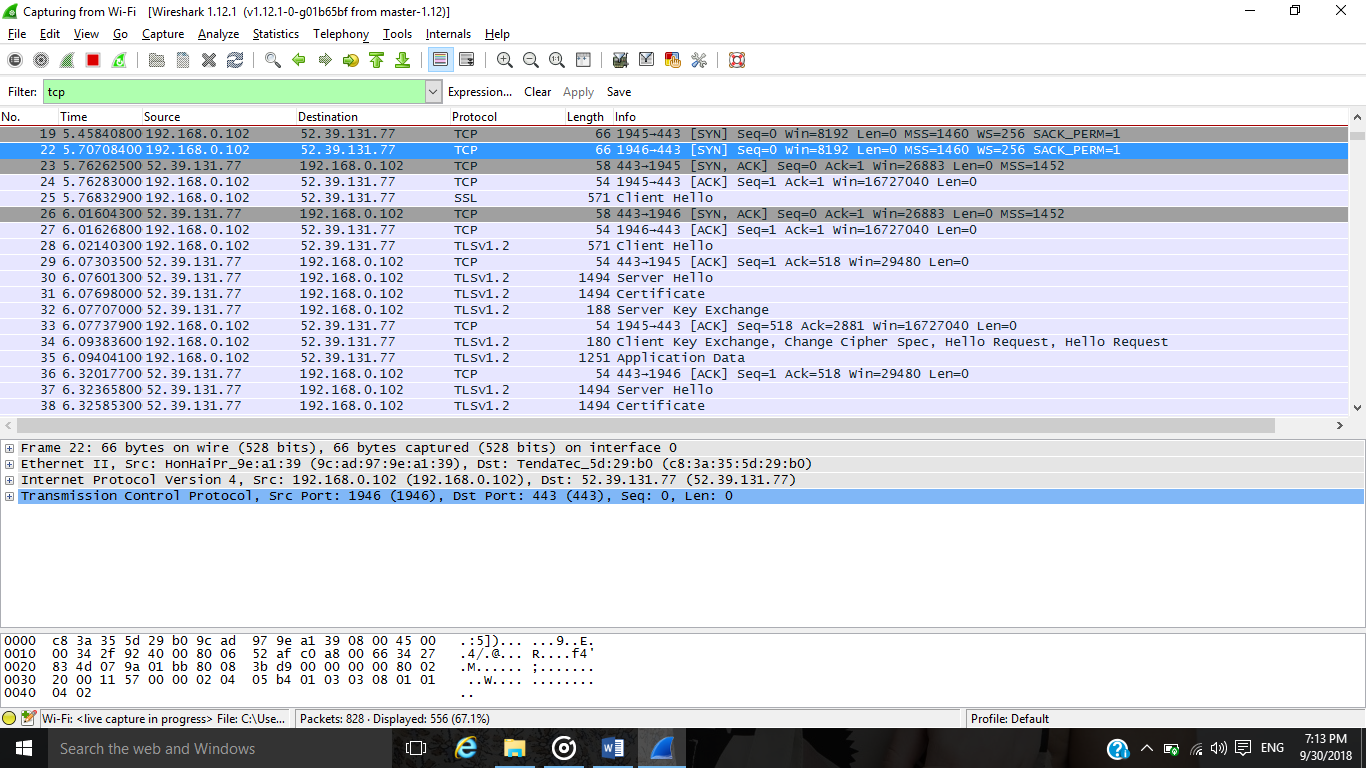
**Protocol Hierarchy: -**

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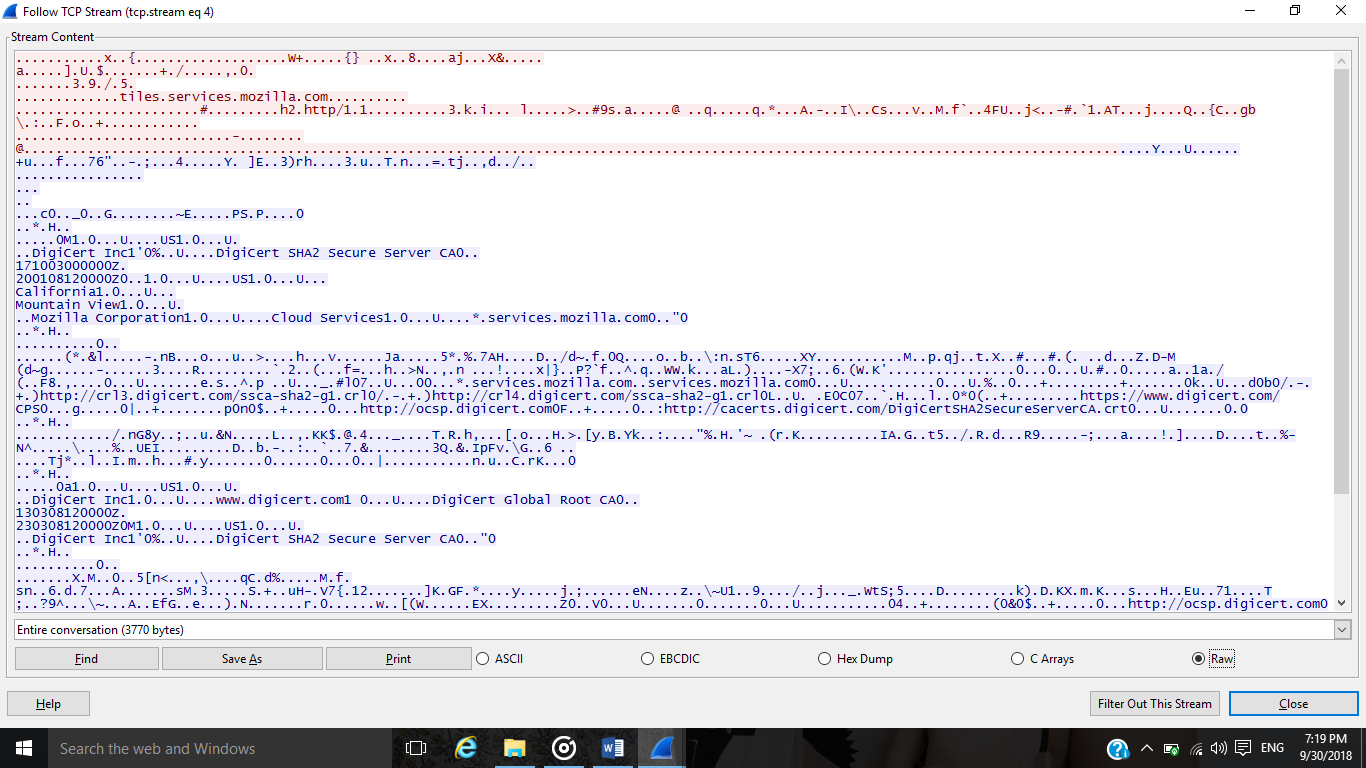
**Flow Graph: -**

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**TCP Handshaking: -**

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**Follow TCP Stream: -**

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