**Assignment1: Write all the network terminologies with example.**

**Here is some network terminologies**

* **Node:-**A node is device that sends/ receive data in to the network is called node.

**Example:** When a computer connects to the internet then it works as a node.

* **Ip Address: -** A unique string of numbers separated by periods (IPv4) or colons (IPv6) that identifies each computer using the Internet Protocol to communicate over a network.

**Example-192.168.0.133**

* **Firewall:-** A network security device that monitors and filters incoming and outgoing network traffic based on an organization’s previously established security policies.

**Example:** A corporate firewall that blocks access to certain websites for employees.

* **Router:-** A device that forwards data packets between computer networks, creating an overlay internetwork.

**Example**: A home router connecting devices within the home to the internet.

* **DNS:-** A system that translates human-friendly domain names to IP addresses.

**Example:**www.example.com to 93.184.216.34

* **Switch:-** A network device that connects devices together on a computer network, using packet switching to forward data to its destination.

**Example**: An Ethernet switch in an office network connecting computers, printers, and servers.