**Assignment 1**

* [Determine hostname from IP Address and vice versa?](https://www.tutorialspoint.com/javaexamples/net_findhostname.htm)
* [Determine IP Address & hostname of Local Computer?](https://www.tutorialspoint.com/javaexamples/net_localip.htm)
* [Check whether a port is being used or not?](https://www.tutorialspoint.com/javaexamples/net_port.htm)
* Define the work of telnet command
* Report all used ports and all opened ports.

**Assignment 2**

* Print PING Command statics
* [Change the host name to its specific IP address?](https://www.tutorialspoint.com/javaexamples/net_address.htm)
* [How to create a socket at a specific port?](https://www.tutorialspoint.com/javaexamples/net_createsocket.htm)
* [How to get connected with web server?](https://www.tutorialspoint.com/javaexamples/net_connected.htm) -> Test connection is established successfully or not

**Assignment 3**

* Develop an SMTP Email client to send an email.
* [How to get the parts of an URL?](https://www.tutorialspoint.com/javaexamples/net_url.htm)
* [How to get the date of URL connection?](https://www.tutorialspoint.com/javaexamples/net_urldate.htm)
* [How to read and download a webpage?](https://www.tutorialspoint.com/javaexamples/net_webpage.htm)

**Assignment 4**

* [How to check a file is modified at a server or not?](https://www.tutorialspoint.com/javaexamples/net_filetime.htm)
* [How to create a multithreaded server?](https://www.tutorialspoint.com/javaexamples/net_multisoc.htm)
* [How to make a socket displaying message to a single client?](https://www.tutorialspoint.com/javaexamples/net_singleuser.htm)

**Assignment 5**

* [How to get the file size from the server?](https://www.tutorialspoint.com/javaexamples/net_serverfile.htm)
* [How to make a server to allow the connection to the socket 6123?](https://www.tutorialspoint.com/javaexamples/net_socket.htm)
* [How to find proxy settings of a System?](https://www.tutorialspoint.com/javaexamples/net_poxy.htm)

**Assignment 6**

* Perform DNS Lookup via Java code ->**nslookup** command
* How to find network bandwidth usage and throughput?