**COMPUTER NETWORKS LAB**

**Assignment-1**

**Date of Assignment:17th Jan 2019**  **Full Marks:**

1)Write a Client Program that connects to the real server (example-www.[google.com](http://google.com/)). In order to get the IP of the real Server you can either use gethostbyname(host) in the code or ping command in the command line. The default port for Webserver is 80. After connection is established between the local client and the real server send HTTP request (GET, POST, HEAD) and display the response received from the Server. For sending the HTTP request you need to create the request according to the specification. A HTTP request consists of a Request Line, Header and Body.

For example: The request from the client Program should look like the following in order to get a “home.html” page from “[yoursite.com](http://yoursite.com/)”.

GET /home.html HTTP/1.1

Host: [www.yoursite.com](http://www.yoursite.com/)

Similar format is also there for POST and HEAD request.

2) Write a Server Program which receives request from the Web Browser and displays the request received from the browser. To connect to the Server running at the local machine from the web browser write the following URL (http://<local\_ip\_address>:<Server\_Port).