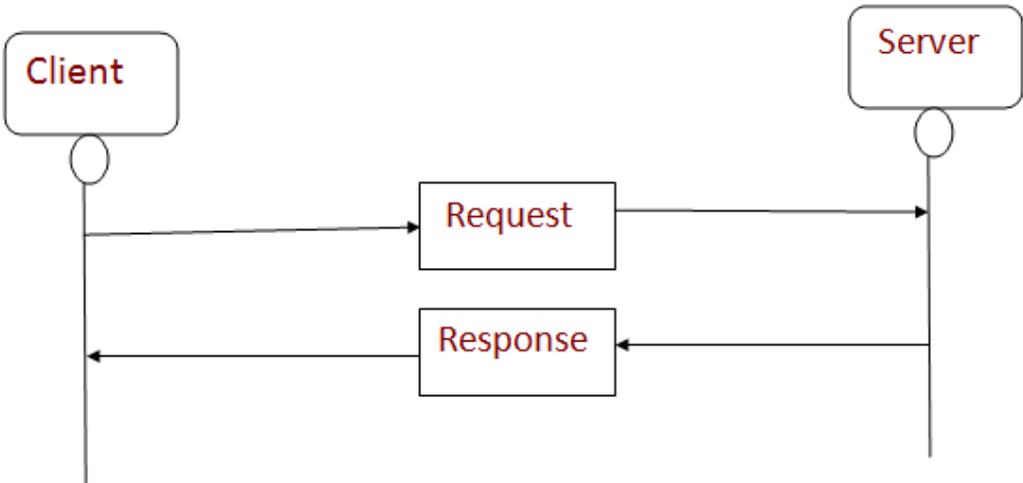


HTTP :- it stands for Hyper text transfer protocol used mainly to access data on the www. http function as a combination of FTP and SMTP. It is similar to FTP because it transmit files and uses the services of TCP. http is also like SMTP because data transferred between the client and the server look like SMTP message. Here, the format of the message is controlled by MIME (multi purpose internet mail extension)like header . like SMTP , message are read and interpreted by HTTP server and http client. SMTP store and forward the message while http deliver the message immediately .

http transaction between client and sever where it uses the services of TCP. It is itself stateless protocol. The client initializes the transaction by sending request and server replied by sending response.

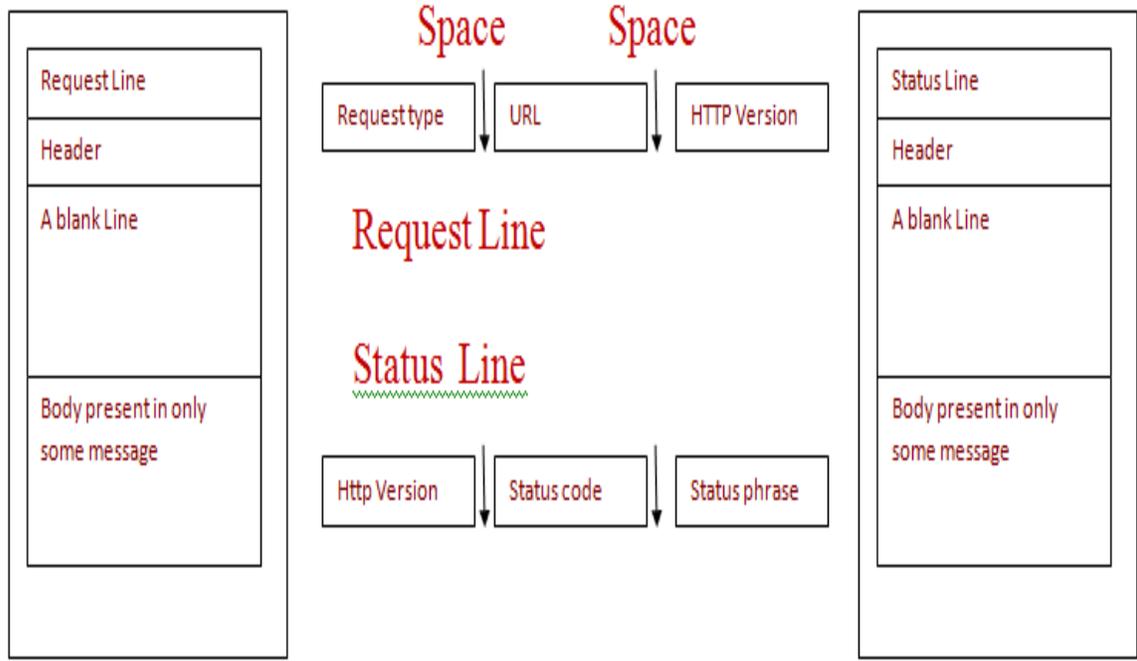
The request message consist of request line, a header and sometimes body. A response message consist of status line , a header and sometimes body

We may be shown as :-



Http connection :-

Request and response message may be shown as :-



The Request type may be :-

GET,HEAD,POST, PUT, TRACE, CONNECT, OPTION command.

URL : is the link information to be brought

Status code and phrase may be :-

Status code	Phrase	Meaning
Informational code		
100	Continue	The initial part of the request is received and client may continue with in request
101	Switching	The server may complying with the client request to switch protocol in upgrade header
Success code		
200	Ok	The request is successful
201	Created	A new URL is created
202	Accepted	The request is accepted but not immediately acted upon
204	Not content	There is no content in

		body
Redirection		
301	Moved Permanently	The requested URL is no longer used by server
302	Moved temporarily	The requested URL has moved temporarily
304	Not modified	The document has not been modified
Client Error		
400	Bad request	There is syntax error in the request
401	Unauthorized	The syntax lacks proper authorization
403	Forbidden	Service is denied
404	Not found	The document is not found
405	Method not allowed	The method is not supported in this URL
406	Not Acceptable	Format request is not acceptable
Server error		
500	Internal server error	There is error at server either crash or not reachable
501	Not implemented	The action request can not be performed
503	Server	Service is temporarily

	unavailable	unavailable by the server

The header in the HTTP exchange several information between client and server . we have three type of http header

1. General header
2. Request header
3. Response Header

http uses ASCII character set that A client can directly connect to server using TELNET which log into port 80

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