- Recap → socket programming ⤷ UDP client ? → TCP
                                    UDP server
- HTTP Protocol.
- FTP, Email

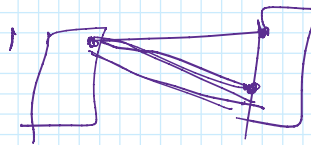client ————→ server.   Connection-less
      (IP, 80)

TCP
  ↓ client •————→ Server   welcome   TCP - connection
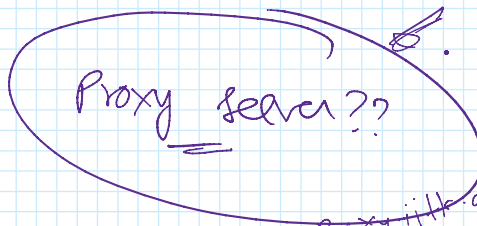   socket   oriented.

HTTP request msg
  { servername, 80, Transport layer.

GET

Proxy_server ??

                                    ??   HTTP   google server
                      proxy http server   80
                      8000 IIT k

                              Proxy
                              server

laptop   D   — Block
                        — Cache }
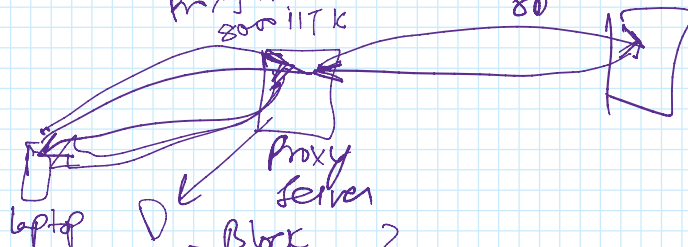
method   post   routine   request line   ↳ → GET
                                                      methods HEAD
/image.png   POST
                                                               PUT
GET http://www.google.com/ HTTP/1.1
Host: www.google.com
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64; rv:48.0) Gecko/20100101 Firefox/48.0
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8

GET http://www.google.com/ HTTP/1.1 → req ✓   POST
Host: www.google.com ✓   PUT
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64; rv:48.0) Gecko/20100101 Firefox/48.0
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: en-US,en;q=0.5
Accept-Encoding: gzip, deflate
Connection: keep-alive   → Persistent TCP ✓
Upgrade-Insecure-Requests: 1   → Impersistent ✓

Header
lines

From <http://www.google.com/> •