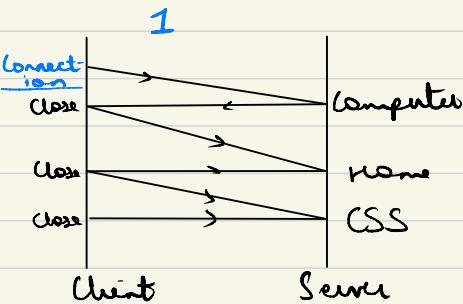
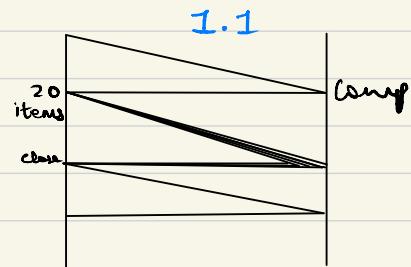


http 1 : 1996  
 http 2.1 : 1997  
 http 2 : 2015 (https)  
 http 3 : 2022 (June)



Non persistent connection:  
will change for each items



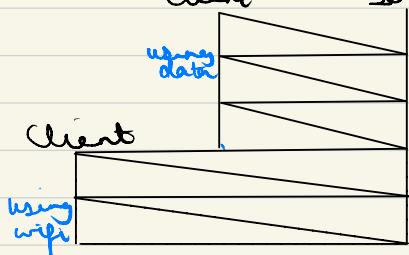
will send 20 items one after another and will receive items one after another, then connection will be established

Persistent Connection:  
will remain same until accomplished

→ In HTTP 1.1 the multiple requests which were sent had to respond in their particular order but in HTTP 2 they could respond in order in form of stream (https s-stream)

Also Push functionality was introduced here

at http 3: QUIC Protocol: gives smooth experience  
Client Server with different internet connectivity



- \* ls -a (hidden files)
- \* ls -l (more information on files)
- \* ls -al (more information on hidden & non hidden files)
- \* apt-get update / apt-get upgrade
- \* uname (username)
- \* uname -a
- \* touch name (to create file)
- \* rm (to remove file)
- \* mv from to (to move file from 1 place to another)

## \* Permissions

- admin (root user)
- group
- public

## \* Execute      X - 1

Write      W - 2

Read      R - 4

$$rwx \Rightarrow 4+2+1 = 7$$

$$rw \Rightarrow 4+2 = 6$$

$$x \Rightarrow 1$$

$$r \Rightarrow 4$$

$$w \Rightarrow 2$$

group (rwx)

chmod 777 → public (rwx)

admin (rwx)

eg: chmod 731

admin : 7 (rwx)

group : 3 (wx)

public : 1 (x)

or

chmod rwx-wx-x

## \* chmod 777 mohit.txt

(filename)

or if the file not in the same folder

chmod 777 user/desktop/files/mohit.txt  
define the exact path

## \* Railway / cyclic / data sh / render