

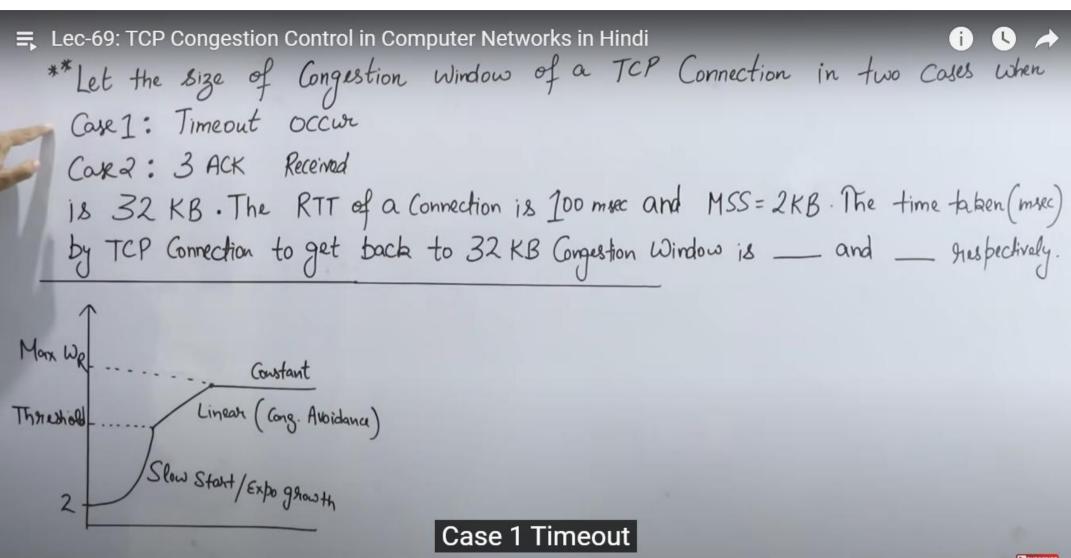


It will not consume sequence number.

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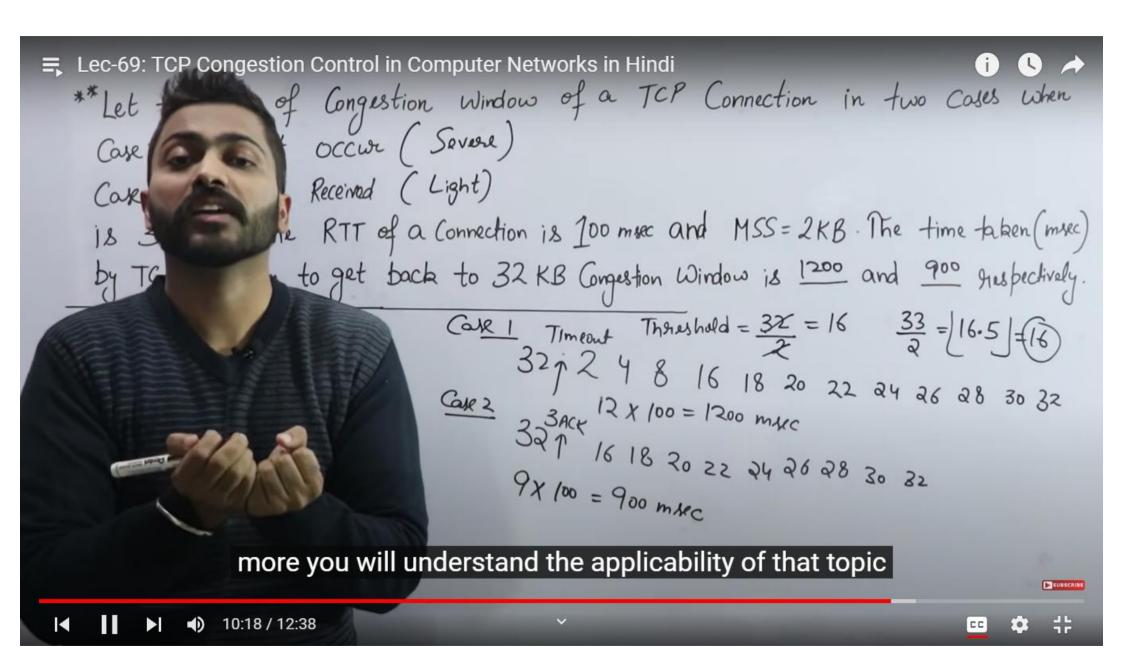


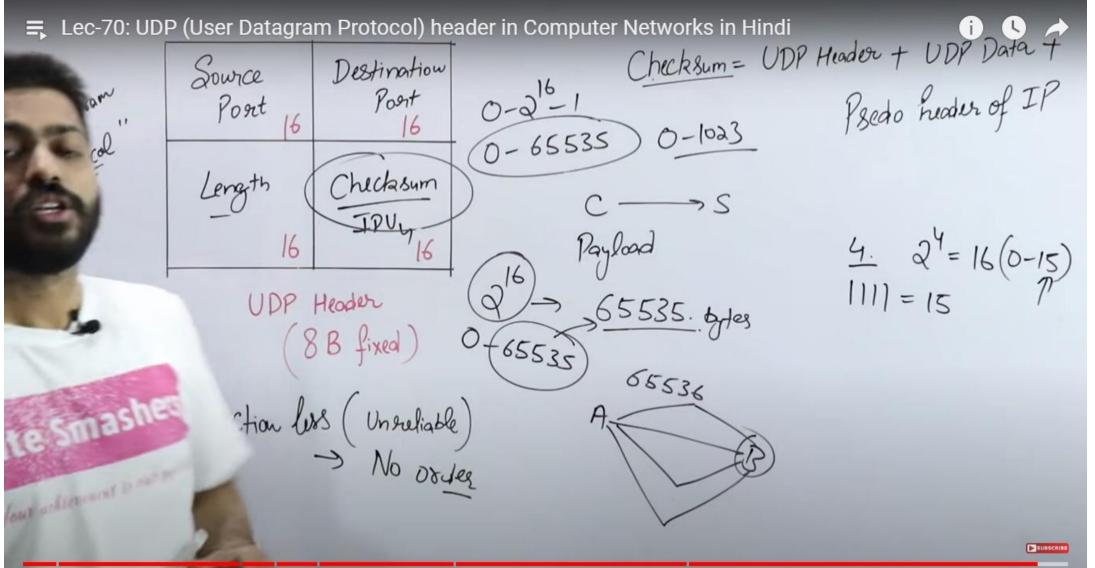


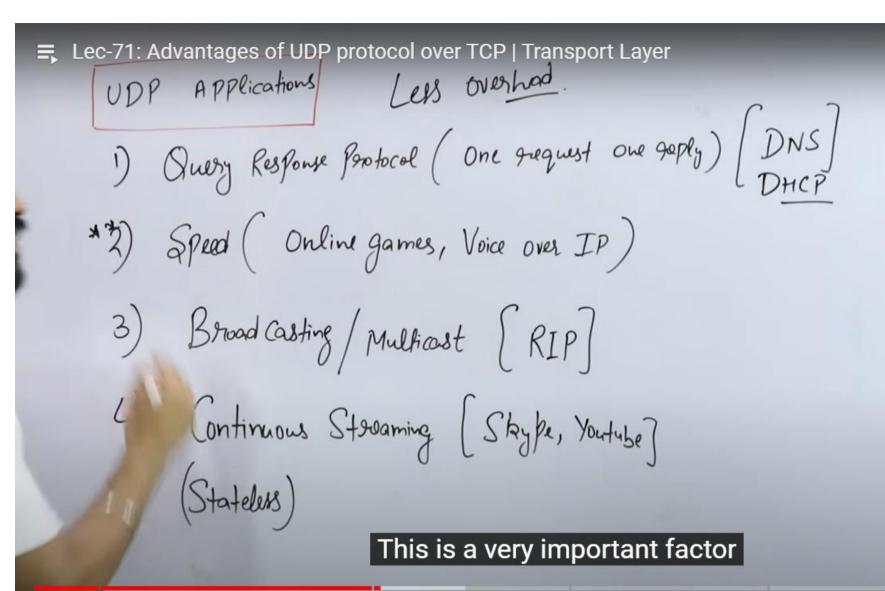












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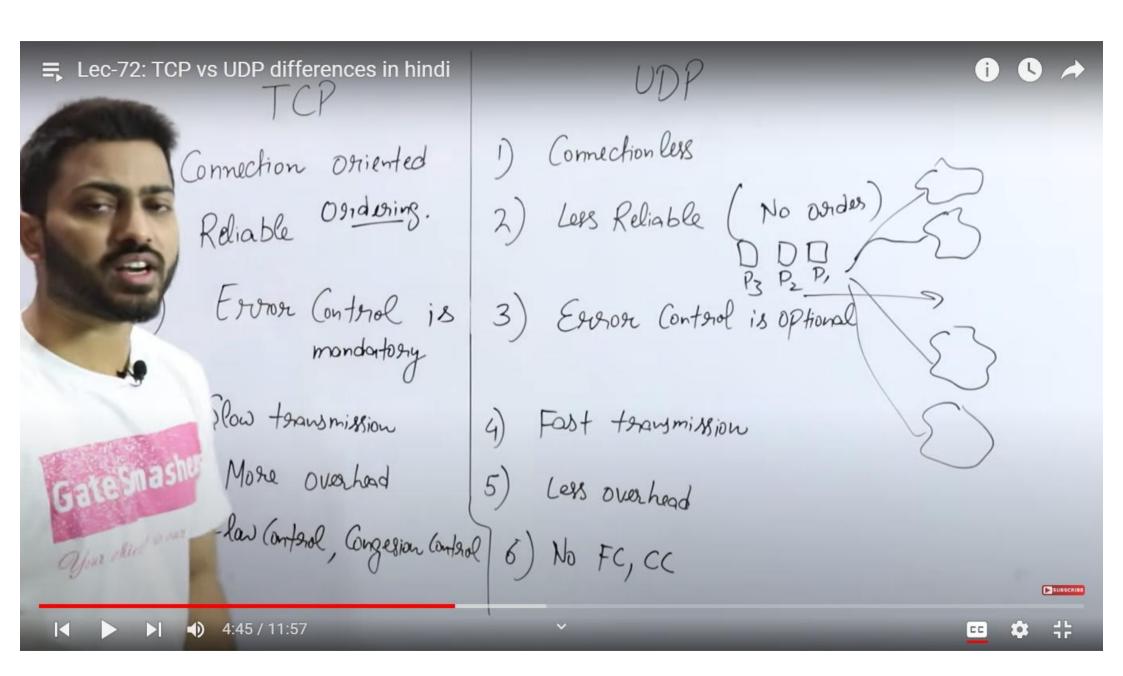


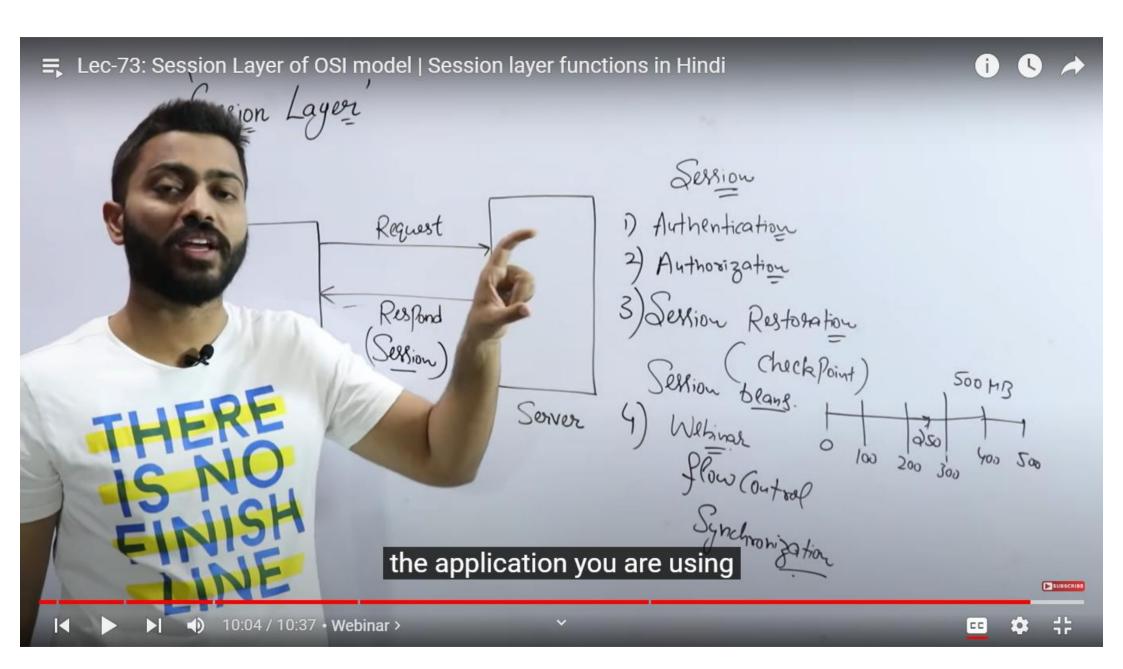


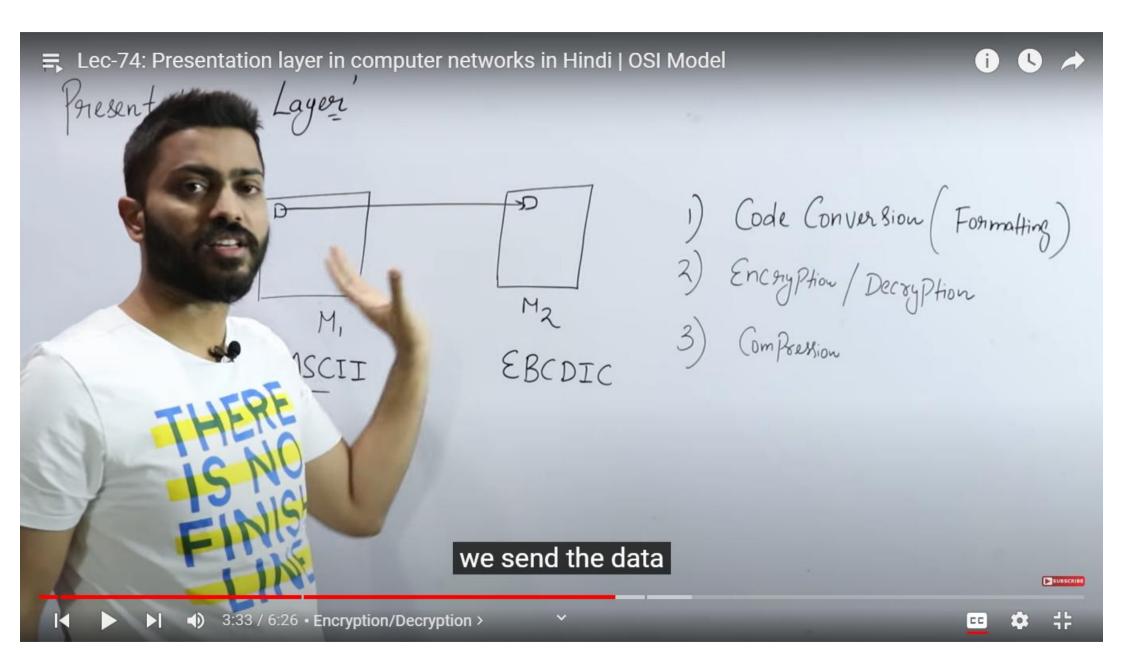


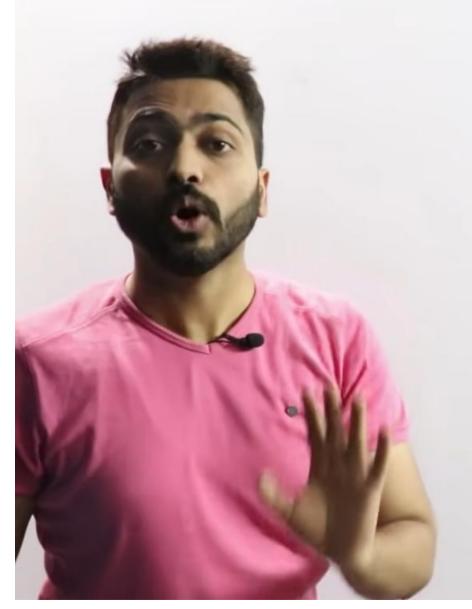






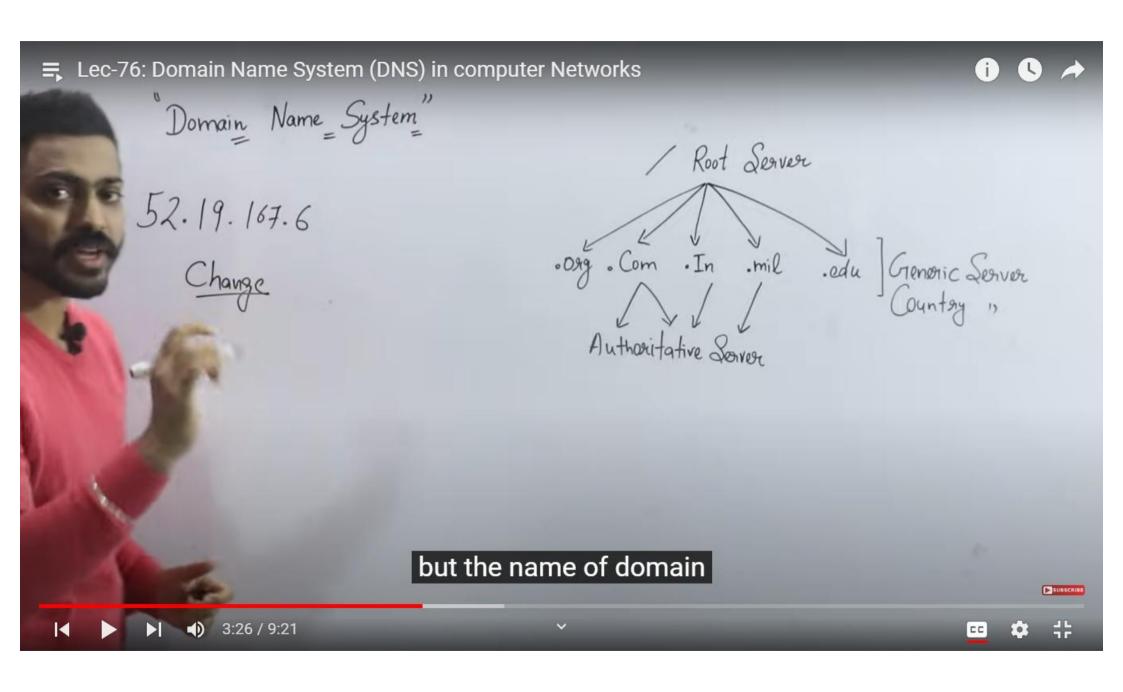


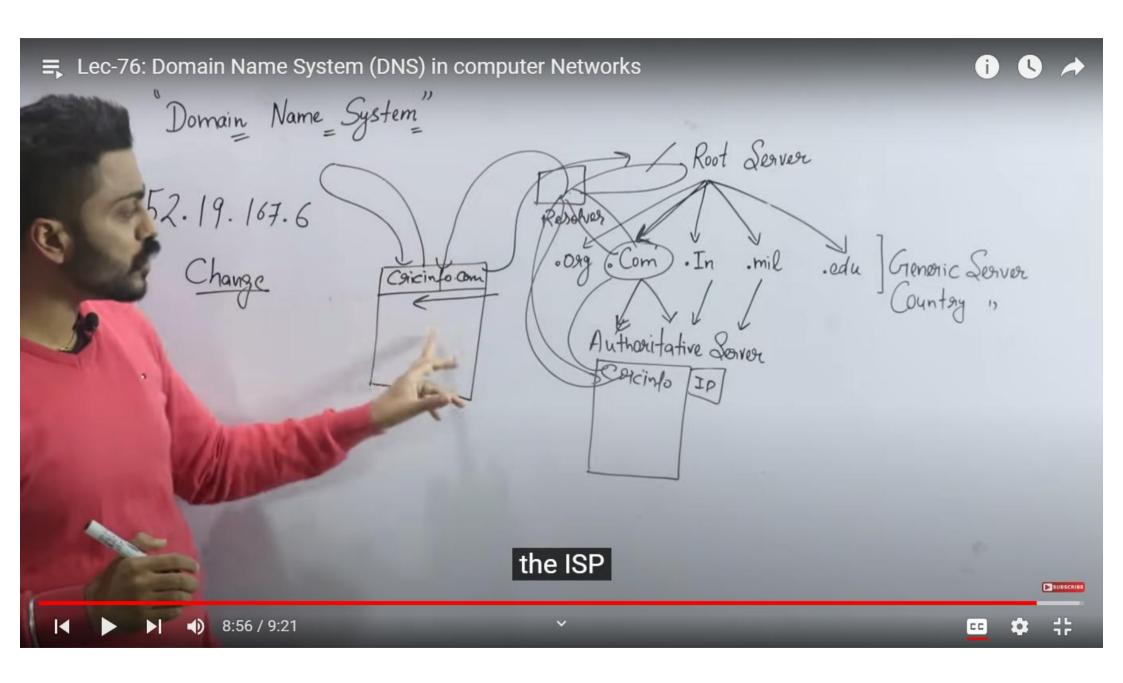


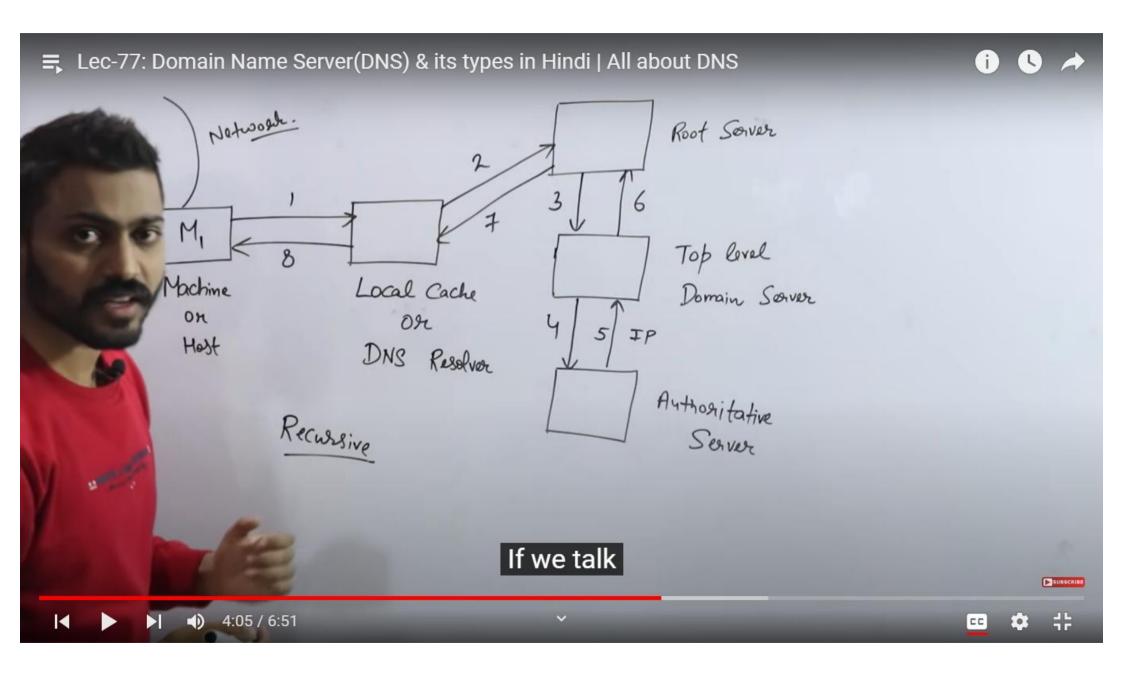


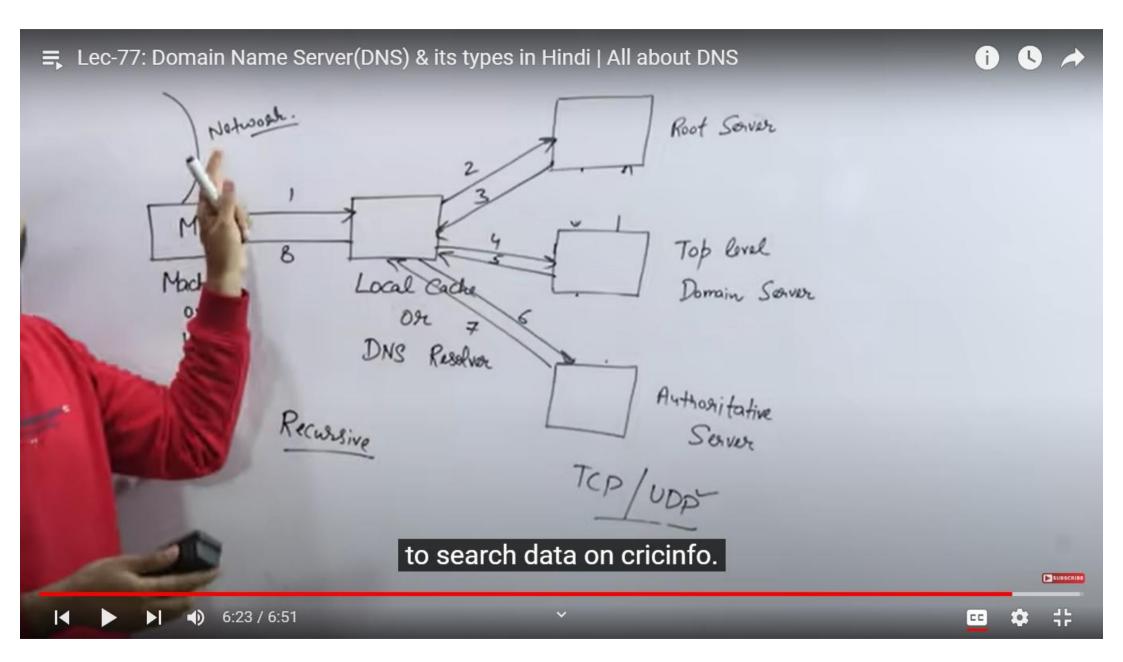
Protocol Name	Pont No.	Transport
Echo	7	TCP/UDP
FTP	20/21	TCP
Secure Shell (SSH	22	TCP
Telnet	23	TCP
SHTP	25	TCP
DNS	53	UDP
DHCP	67/68	UDP
TFTP	69	UDP
НТТР	80	TCP
Pop	110	TCP
NTP	123	407
HTTPS	443	TCP
RIP	520	UDP













HTTP

- Port no 80
- Itself not reliable but use TCP to achieve reliability
- Inband Protocol
- Stateless
- HTTP 1.0 Non-Persistent
- HTTP 1.1 Persistent
- Commands(Head, Get, Post, Put, Delete, Connect)





Lec-78: HTTP, FTP, SMTP, POP | All Application Layer Protocols | Computer Networks



Method	Action
GET	Requests a document from the server
HEAD	Requests information about a document but not the document itself
POST	Sends some information from the client to the server
PUT	Sends a document from the server to the client
TRACE	Echoes the incoming request
CONNECT	Reserved
OPTION	Inquires about available options

We are accessing the metadata of document.









- Data connection is non-persistent
- Control connection is persistent
- Not Inband
- Reliable
- Stateful

Dragging from your system files will get sent to its system.



SMTP & POP

- FTP is synchronous but SMTP & POP is both synchronous & asynchronous
- SMTP Port no 25 for pushing the mail
- By default, the **POP3 protocol** works on two ports: Port 110 - this is the default **POP3** non-encrypted port. Port **995** - this is the port you need to use if you want to connect using POP3 securely.
- MIME(Multipurpose Internet Mail Extensions) How are data mails transferred.







```
random password=passwd.get()
    pyperclip.copy(random password)
root=Tk()
root.iconbitmap(r"C:\Users\23531\Downloads\password.ico")
root.title("Password Generator")
root.geometry("680x200")
root.config(bg='gray20')
choice=IntVar()
Font=('arial', 13, 'bold')
passwordLabel=Label(root,text='Password Generator',font=('times new roman',20,'bold'),bg='gray20',fg='white').place(x=250,y=10)
lb=Label(root,text="select type of password",font=("times new roman",20,"bold"),bg="gray20",fg="white").place(x=20,y=50)
weakradioButton=Radiobutton(root,text='Weak',value=1,variable=choice,fg='red',font=Font).place(x=340,y=60)
mediumradioButton=Radiobutton(root,text='Medium',value=2,variable=choice,fg='red',font=Font).place(x=450,y=60)
strongradioButton=Radiobutton(root,text='Strong',value=3,variable=choice,fg='red',font=Font).place(x=570,y=60)
lengthLabel=Label(root,text='Enter Password Length',font=("times new roman",20,"bold"),bg="gray20",fg="white").place(x=20,y=100)
mydata=IntVar()
length Box=Spinbox(root, from =5, to =18, width=5, font=Font, textvariable=mydata).place(x=340, y=110)
generateButton=Button(root,text='Generate',font=Font,bg='blue',command=generator).place(x=450,y=150)
passwd=StringVar()
passwordField=Entry(root,width=25,bd=2,font=Font,textvariable=passwd).place(x=50,y=155)
copyButton=Button(root,text='Copy',font=Font,bg='blue',command=copy).place(x=340,y=150)
root.mainloop()
```

