Internet protocol Stack- Application Layer Week 1
Application Layer: - It Consists of applications and
their protocols.

An application layer protocol applicationary Hessage is distributed over multiple Transport symme End System.

End System.

The physical Frame Physical bit.

Physical Frame Physical bit.

Physical bit.

Physical Frame Physical bit.

Information with the application in another end system

Protocols: FTP, SMTP, HTTP, DNS

used for mails web

Transport Laya: Internet Transport layer transports

application layer mercages blue application endpoints.

Two protocols: TCP & UDP

Howantrol no How Control (il Packetwill belost)

-> Har packet is called segment

Week 1

Network Layer!	4	delivers	the	segment	to the
Evensport	layer	90 the	de	stration	host-

There packet is called datagram (links along same) Datagram is mandled by different link-layer protocols at different links along same links a
- Datagram is mandled by different link-layer protocols at differ
Link:- To move a packet from one node to
next node in the route.
-> Here Link Layer message is called as France
-> The savices depend on the specific link layer
5 Sunday Protocols ex! - Ethernet, wifi
Week 2 Physical:-
Physical:- The job is to move the individual bits
within the frame from one node to the next.
Implementation:
application, transport -> Softwage
Physical, link-hardware
Network - Software & Land ware

## ISO OSI Reference Model:

6 Before internet protocol stack there is a reference model (Iso/osI)

( ) presentation: - allow applications Application Layer presentation to interpret meaning of data session transport Eg! encryption, Compression, Network machine specific Conventions. Link Physical

( ) session:

Synchronization, Checkingpoint, recovery of data exclang

-) Internet stack missing vlayers

1) It we need this 2 layers then we can build in application layer.

Encapsulation:-at archit layer there is a packet.

) at each layer it will take date from Previous layer and adds beader is called Encapsulation

application It exchange Messages to implement some application application sovice using sovices of trasport layer Transport Trans port Layer protocol transfer Transport day wing services of aletwork layer

