OSI MODEL LAYERS.

Osi model layer is a conceptual framework used that helps to understand network by breaking them into seven layers. It compartmentalized the work of the network or computing system.

1. Physical layer: This helps to transmit data between devices. Manages physical network component, encodes data into physical signals. Eg wi.fi, Ethernet cables.
2. Data Link Layer: It creates a logical link between devices of same network segment by ensuring error free transfer of data frames. Eg : point to point protocol.
3. Network Layer: adds address , internet protocol. Which includes source and destination address in a form called packet. Eg Internet control message protocol.
4. Transport Layer:used to transports traffic from processes to end points. By breaking data into segments. Eg : Tcp ( Transmission Control Protocol).
5. Session Layer: Establishes, manages connections between applications. Used to track if conversations are occurring among applications. Eg: NetBOIS.
6. Presentation Layer: converts data into an understandable form by the receiving device. Helps in encryption and compression. File types : images & videos. Eg:ASCII.
7. Application Layer: It provides services and interfaces for applications to communicate with each other. Eg: HTTP( Hyper Text Transfer Protocol.)