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8. Internet and World Wide Web (WWW)

Networking and Internet

A network is an arrangement that enables two or more computers to communicate (talk) to each other.



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8.1 Types of Networks

Networks can range from a small group of computers linked together in a class room to thousands of computers linked together across the globe. Depending on the geographical location, networks can be classified as

LAN (Local Area Network)

MAN (Metropolitan Area Network)

WAN (Wide Area Network)



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8.1 Cont..

Local Area Network: If a network is confined to a single location, typically a building, it is called a LAN.

Ex : Set of interconnected computers within an office.

Metropolitan Area Network: A metropolitan area network is a network that is larger than a LAN; it connects the computers distributed across multiple buildings.

Ex: the computers in all branches of an office within a city.

Wide Area Network: When a network is located over wide areas such as cities, states, countries or even continents, it is called a WAN.

Ex : i. Computers in different branches of a Globalised company.



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8.2 Internet

- It is a network of networks
- Computers are connected via a huge network of telecommunication links.
- It allows millions of users throughout the world wide to have the connectivity with the people, products ,resources and services
- It uses TCP/IP protocol to connect all networks



Services provided by the Internet:	
• www (world wide web)	Internet banking
• E-mail	Search engine
• Chatting	E-Commerce



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8.3 Web page

- It is a single document /page in a website.
- It is formed with the help of **HTML** (**hypertext mark-up language**).



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8.4 Web Site

- It is a collection of web pages linked together.
- It maintains hyperlink to move from one page to another page.



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8.5 Web Browser

- It is an interface between web client and web server.
- It is an application program used to access the World Wide Web.
- It is used to storing and retrieving information from the web. EX:-Mozilla Firefox, internet explorer, Google chrome, safari, opera.



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8.6 E-Mail

E-mail or electronic mail is a service for sending or receiving messages electronically through a computer network.

The electronic mail uses various technologies that support electronic transmission of text, data and graphics.

EX: Gmail, yahoomail, rediffmail.....